Penicillin Pretesting Plan Accepted—Page 3

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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Volume 147 No. 6 SCHNELL PUBLISHING COMPANY, INC., PUBLISHERS Feb 5, 1945

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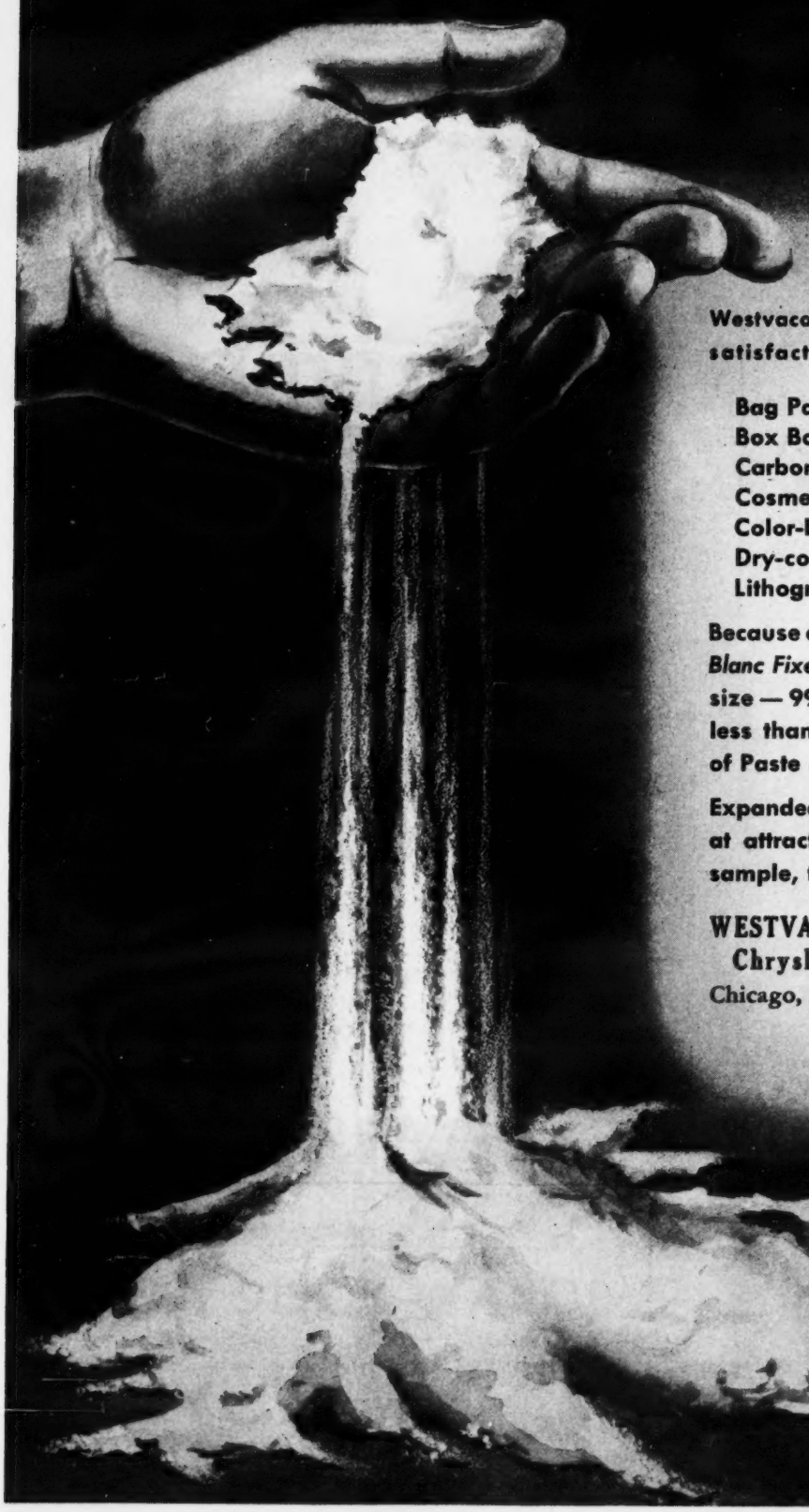

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Vol. 147 No. 6 New York 7, N. Y. February 5, 1945

Vitamin Research Institute Formed

Formation of the Vitamin Research Institute was voted January 29 at the Waldorf-Astoria, New York, by representatives of twenty-five companies engaged in the production and distribution of vitamins. All votes cast, however, were not final; several representatives voted "yes" on the motion to form the institute, but reserved to their companies the final decision to join in creating the research venture.

Forty-one houses had indicated intention to attend and close to a hundred individuals attended. The temporary chairman was Elmer H. Bobst, of Nutley, N. J.

Having voted the VRI into official existence, the meeting proceeded to formal organization. Charles H. Beardsley, Miles Laboratories, Elkhart, Ind., chairman of the nominating committee, offered a slate to comprise the institute's board of governors and the gathering proceeded to elect the following:—

Chairman of the board:—Dr. T. G. Klumpp, of the Winthrop Chemical Company, New York.

Professional group:—L. D. Barney, of Hoffmann-LaRoche, Inc., Nutley, N. J.; E. Russel Dyer, of the International Vitamin Corporation, New York; Dr. Lewis, of the Nion Corporation, Los Angeles; J. Paul Folsom, of Lederle Laboratories, New York; William Berg, of the Borden Company, New York; E. C. Merrill, of the United Drug Company, Boston; and James C. Chilcott, of the Maltine Company, New York.

Consumer group:—O. F. Brownell, of Lever Brothers, Cambridge, Mass.; Wilbur E. Dewell, of McKesson & Robbins, Bridgeport, Conn., and Charles H. Beardsley, of Miles Laboratories, Elkhart, Ind.

Basic producers group:—James J. Kerrigan, of Merck & Co., Rahway, N. J.; Charles Bowman, of Chas. Bowman & Co., New York; John L. Smith, of Chas. Pfizer & Co., New York; John H. LeWare, of Standard Brands, New York; and Robert P. Scherer, of Gelatin Products, New York.

Honorary group:—Dr. Norman Jolliffe, of Bellevue Hospital, New York; and

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Arsenic and Fluoride Coloring Urged Again

OPD Washington Bureau

Legislation similar to that proposed last session to require the coloring of insecticide or fungicide powder to reduce the chances of it being mistaken for food powder has been introduced in Congress by Representative Virgil Chapman of Kentucky.

The bill (H. R. 1764) amends the insecticide act of 1910 to provide "that any white powder insecticide or fungicide containing arsenic in its elemental form or in any of its combinations, or fluorine in any of its combinations, shall, unless deemed unnecessary by the Secretary of Agriculture for the protection of the public health, be deemed to be adulterated unless it is distinctly colored in accordance with regulations promulgated by the Secretary of Agriculture."

The measure authorizes the Secretary of Agriculture to make and promulgate rules and regulations for carrying out its provisions and to specify the colors and the compounds or substances to be used to produce such colors.

Health Care Proposed For Government Workers

OPD Washington Bureau

Senator Sheridan Downey, of California, has introduced a bill authorizing the various departments of the government to contract for health programs providing treatment of minor illnesses and dental conditions, pre-employment and other examinations, referral of employees to private physicians, and educational and preventive programs relating to health. The bill (S. 406) is similar to one he introduced last session.

Wyeth Publicity Head

Richard Roley has been named public relations director of Wyeth, Inc., Philadelphia, subsidiary of American Home Products Corporation operating in the pharmaceutical, biological and nutritional fields.

Rubber Glut Seen Soon After War

OPD Washington Bureau

Rubber experts of Great Britain, the Netherlands and the United States, attending a conference here last week on postwar rubber problems, estimated that world production of rubber, synthetic and natural, will rise in the first few years after the war to almost twice the estimated demand in consuming countries.

In a report on their conclusions made public by the Department of State January 29, the group made no attempt to offer a solution of the problem which thus will be presented, but did see an expansion in the uses of rubber which will partly offset the industry's over-capacity to produce. Over a long period it was hoped that the "disequilibrium" between world productive capacity and demand would be eliminated entirely.

The group was unable to arrive at definite conclusions as to costs and prices because of the great uncertainties surrounding estimates of production and consumption. However, it was thought that production of natural rubber could rise in three or four years after liberation of the Far Eastern teritories to an annual figure of 1,500,000 tons; others have said that recovery there would be much longer delayed. Synthetic rubber capacity was estimated at 1,300,000 tons. Demand was placed at 1,500,000 tons.

Penicillin Pretesting Plan Accepted by Drug Industry

OPD Washington Bureau

Drug manufacturers have withdrawn their objections to the plan of the Food and Drug Administration for legislation requiring all penicillin to be certified as to its purity and potency before entering interstate channels after present WPB controls are terminated.

This was announced February 1 by Dr. Paul B. Dunbar, FDA commissioner.

Dr. Dunbar said that this action on the part of the drug industry clears away the main obstacle to the plans of the agency and it can now be expected that the Federal Security Administrator will submit to Congress about March his recommendations for legislative authority to carry out the program. With the united backing of the industry and public agencies mostly concerned with the drug, he added, he would expect Congress to give rapid approval to the bill.

A.D.M.A. Committee Acts

Decision of the American Drug Manufacturers Association to go along on the program was reached at the executive committee meeting of the association in New York last week and telegraphed to each of its members as follows:—

The executive committee of the American Drug Manufacturers Association, after due consideration of the many problems involved in the proposed amendment of the law to permit pretesting of penicillin and in view of the personal assurance of Doctor Dunbar that the FDA has no intention to attempt to apply such procedure to other products and in view of the high personal regard of the ADMA for Doctor Dunbar, decided at the meeting on January 23 to withdraw the opposition of the ADMA to such legislation.

Dr. Dunbar said that he had received similar assurances from the American Pharmaceutical Manufacturers Association and the American Pharmaceutical Association their willingness to cooperate. He expects to hold formal conferences later with representatives of the Proprietary Association on the matter, but said that it had been indicated informally to him that that association would enter no objections to the legislation.

The bill to be submitted to Congress will follow the outlines of the insulin bill passed several years ago. It will, however, contain a provision authorizing the Federal Security Administrator to suspend the certification requirement when this is deemed no longer necessary in the public interest. This is in line with recommendations made to Dr. Dunbar by ADMA and APMA.

Conference Cancelled

Dr. Dunbar said that, in view of the attitude now being taken by the industry toward the proposal and the diffi-

—Continued on page 58

Purchasing Agents Plan Reconversion Discussions

The National Association of Purchasing Agents is offering four prizes of $100 war bonds for papers by its members on the responsibilities of purchasing departments in policies and processes of reconversion and postwar operations.

This offer comes out of a belief by the N.A.P.A. committee on education that preparation for and participation in reconstruction activities are most important for purchasing departments and would be useful to management in general. The association suggests that the topic be given a special place in the discussions at meetings of local groups, and it will have a particular place in the national conference if one is held this year.

Papers in the prize contest are limited to 5,000 words and must be presented before April 15.

Cooperative Purchasing By Retailers Advocated

OPD Washington Bureau

Small retailers whose aggregate annual sales do not exceed $500,000 would be permitted to combine in negotiating purchases from suppliers under the terms of a bill (H. J. Res. 19) introduced in Congress by Representative Wright Patman of Texas. The bill is now before the house judiciary committee.

Mr. Patman states in his resolution that chain retail sales organizations have a competitive advantage over owners of independent retail establishments because of discounts and other advantages gained through quantity purchases. Independent retailers, however, are prohibited from joining for similar quantity buying, he said, because of the restrictions of the antitrust laws.

His bill would include as an independent retailer any person regularly engaged in selling goods, wares, or merchandise at retail from not more than ten stores.

Missouri Fair Trade Bill Introduced

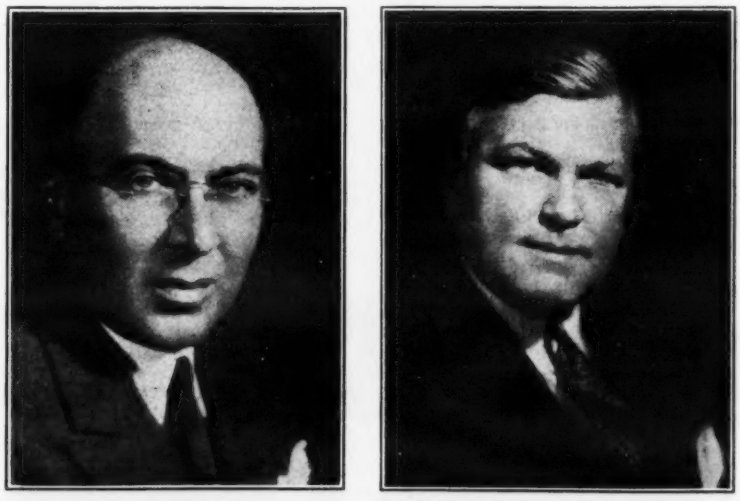
A fair trade bill has been introduced in the Missouri legislature by Representative John L. Cando, Democrat, Dunklin county. Under the bill, manufacturers and jobbers could make legal contracts fixing prices at which trade - marked commodities could be sold and any violation would be subject to suit for damage.

Courts would be authorized to issue injunctions to prohibit violations. Effect of the bill would be to prevent use of certain items as leaders by merchants and would prohibit reduction of the price of any "fixed" commodity except in case of damage, deterioration or a sale conducted under court order.

Schick Gets Stay On WPB Order

Schick, Inc., Stamford, Conn., and its subsidiary, Schick Service, Inc., have been prohibited by a War Production Board order from making or assembling new or rebuilt dry shavers until further notice. Execution of the order was stayed pending a decision on an appeal. The suspension rescinds Schick's twice amended grant of appeal issued last September 4.

Named to Hercules Powder Co. Directorate



Dr. Wyly M. Billing and Ralph B. McKinney have been elected directors of the Hercules Powder Company, to succeed Charles C. Hoopes and George M. Norman, both of whom are retiring after thirty-two years of service. Dr. Billing is general manager of the synthetics department, while Mr. McKinney is general manager of the paper makers' chemical department.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals and related materials is currently as follows:—

Feb. 2, 1945	Jan. 26, 1945	Feb. 4, 1944
133.3	**133.2**	**138.2**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Quicksilver continues active in its role of essential material without price restraint. Another boost of its price, dragging along its pharmacal and technical derivatives, gave the general price level of the markets for chemicals, oils, and drugs a higher elevation at the end of last week. Its uplifting power was helped by price advances in gum turpentine and oiticica oil. Prices that are not ceiled are not settled.

Hard weather aggravated the hampering effects of skimped manpower in curtailing the movement of materials; so the week's turnover was small, even for these times. Reconversion has dropped out of business conversations: increased attention is being given, verbally at least, to the global political aspects of postwar eventualities. Their economic influence is going to be colossal.

Recent Imports

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AMMONIA, PERSULPHATE—20 kgs
BANANA FLAKE—200 cs, Kannengiesser & Co
88 cs, R B Hayhoe & Co
BARBERRY ROOT BARK—110 pkgs, S B Penick & Co
BAUXITE RESIDUE—100 bgs
BRISTLES—5 cs, Stokby Co
CAFFEINE, ANHYDROUS—5 bbls, Lo Curto & Funk
CASEIN—3,400 bgs, 449,738 lbs, Casein Co of America
304 bgs, 33,598 lbs, Packing Products Co
4,715 bgs, 519,680 lbs, American Cyanamid & Chemical Co
CASHEW KERNELS—1,637 cs, 81,850 lbs, General Food Corp
2,105 cs, 105,250 lbs, Braun Importing Co
900 cs, 45,000 lbs, Zenobia Co
900 cs, 45,000 lbs, L Demartini
800 cs, 40,000 lbs, W A Higgins Co
CASTOR BEANS—3,070 bgs, 460,500 lbs, Brown Linseed Co
3,331 bgs, 499,650 lbs, Bunge Corp
24,531 bgs, 3,679,650 lbs, Spencer Kellogg & Sons
63,528 bgs, 9,429,200 lbs, Baker Castor Oil Co
CELERY SEED—275 bgs, 39,750 lbs, Catz American Co
COCOA BEANS—100 bgs, 13,000 lbs, Carl M Loeb Rhoades Co
100 bgs, 13,000 lbs, Wessel, Duval & Co
100 bgs, 13,000 lbs, Daarnhouwer & Co
200 bgs, 26,000 lbs, Wood & Selick
1,000 bgs, 130,000 lbs, Nieschlag & Co
500 bgs, 65,000 lbs, Cocoa Trading Co
500 bgs, 65,000 lbs, Hershey Chocolate Co
1,000 bgs, 130,000 lbs, A C Israel Commodity Co
500 bgs, 65,000 lbs, Scarburgh & Co
1,100 bgs, 143,000 lbs, Rockwood & Co
500 bgs, 65,000 lbs, Curacao Trading Co
1,000 bgs, 130,000 lbs, Middleton & Co
200 bgs, 26,000 lbs, J Aron & Co
800 bgs, 104,000 lbs, W R Grace & Co
500 bgs, 65,000 lbs, General Cocoa Co
1,000 bgs, 130,000 lbs, Wessel, Kulenkampf & Co
53,000 bgs, 6,890,000 lbs, United States Commercial Co
COCONUT, DRY—160 tins, Chemical Bank & Trust Co
CORK, SHAVINGS—80 bls, 8,000 lbs, Armstrong Cork Co
VIRGIN—847 bls, 84,700 lbs, Armstrong Cork Co
WASTE—790 bls, 79,000 lbs, Crown Cork & Seal Co
592 bls, 59,200 lbs, Armstrong Cork Co
348 bls, 34,800 lbs, Universal Transcontinental Corp
WOOD—211 bls, 21,100 lbs, Armstrong Cork Co
COTTONSEED MEAL—21,978 bgs, 2,197,800 lbs, Ashcraft, Wilkinson & Co
DILLSEED—345 bgs, 44,850 lbs, W G Scarlett Co
FENUGREEK SEED—260 bgs, 33,800 lbs, S B Penick & Co
FLESHING—115 bls, Milligan & Higgins Co
GINGER ROOT—92 cts, L W Cox
GLUE, BONE—50 bgs, Wessel, Duval & Co
5 bgs, T W Dunn

—Continued on page 70

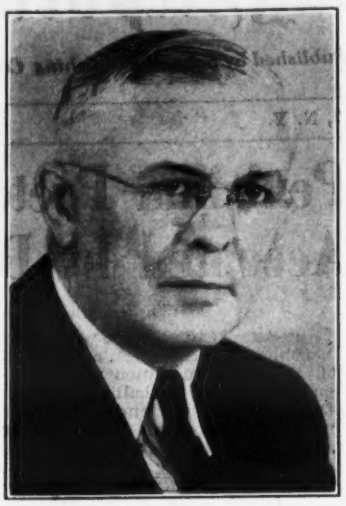
Conventions Cancelled

Organizations which have acceded to the requests of the Director of War Mobilization and the Office of Defense Transportation and have cancelled their conventions as a contribution to the relief of overladen transportation and housing facilities, include, in addition to those heretofore listed herein, the following:—

American Zinc Institute.—Annual convention, scheduled for April. Statutory sessions will be held in that month.

Kentucky Petroleum Marketers Association.—Annual convention, scheduled for February 13 and 14.

Advanced by Dow



Ivan F. Harlow has been appointed as production manager for the inorganic division of the Dow Chemical Company, Midland, Mich. Mr. Harlow has assumed managerial duties formerly performed by Dr. E. O. Barstow who, as vice-president of the company, has taken on increased executive responsibilities.

Penick Establishes Botanical "Pilot Farm"

Centralized experimental work in growing drug plants is to be undertaken on a "pilot farm" in Pennsylvania by S. B. Penick & Co., New York.

Behind this new venture is the Penick company's cultivation in several States of large quantities of vital drug plants. These projects achieved exceptional results under the pressure of war emergency. Long-range practicability of the work, however, has not been given the study which the company now expects to undertake through centralization of its experiments in one location with adequate laboratory and field equipment. The Pennsylvania facilities will afford drug manufacturers opportunities not available before in this country.

The "pilot farm," is located in the fertile belt, Berks County, Pennsylvania, and the locale was chosen after a painstaking survey in which government experts aided. Equipment for the substantial acreage to be put under cultivation is now being provided.

While the Penick company is of the opinion that many botanical drugs

—Continued on page 64

N.W.D.A. Sales Distribution Map Viewed

How scientifically planned distribution can cut the cost of serving the $2,700,000,000 market represented by the country's 50,000 drug stores was outlined February 2 at a luncheon at the Hotel Pennsylvania in New York at which the National Wholesale Druggists' Association presented to representatives of the drug and advertising industries and market research a preview of its revised distribution map of the United States.

Speakers at the meeting agreed that the postwar period will be marked by greatly increased competition which will necessitate more efficient and economic merchandising methods. E. Allen Newcomb, secretary of the association, told the gathering that the N.W.D.A., using data supplied by manufacturers and wholesalers, has determined that distribution of drug store merchandise through wholesale druggists normally flows within 36

—Continued on page 58

Rheem to Operate DPC Brooklyn Plant

The Defense Plant Corporation has requisitioned a large building, formerly occupied by E. W. Bliss in Brooklyn, N. Y., and, in turn, is leasing it to the Rheem Manufacturing Company, New York, which will utilize it to forge and machine 75 mm. steel shells for the army.

Gen'l Dyestuffs Action Against APC Settled

OPD Washington Bureau

Settlement has been reached in eight actions undertaken last year in the New York and New Jersey courts by stockholders of the General Dyestuffs Corporation against the Alien Property Custodian for the recovery of 5,003 shares of the company's capital stock, vested by the Custodian in 1942, it was announced February 2 by the Department of Justice.

Under the settlement APC will retain undisputed ownership of the stock and will make payment of $118 per share to the plaintiff for the shares formerly held by them and seized by the APC. This figure represents the amount which, under certain circumstances, the plaintiffs were obliged to accept for their stock under existing option arrangements between them and the company.

The stock involved has a present book value in excess of $540 per share or over $3,000,000 in all. Under the settlement the plaintiffs will receive $696,554. They had complained that the APC had erred in determining that the stock was the property of a foreign national.

Penicillin Quotas Are Upped 20 Percent

A program placing the distribution of penicillin for civilian uses in the normal channels of trade now under preparation by the War Production Board is to be put on the shelf until present government control over distribution of the drug is no longer needed.

Essentially, the plan would do away with the present system of directing producers to ship to specified users and permit them to select their own customers. Because of the needs of the military for the drug, however, there will be no relaxation of WPB's direction over channeling a sufficient supply for this purpose.

Outlines of the plan were given the penicillin advisory committee at its meeting with the WPB, January 30. At the same time, producers were informed that, as a result of increased supplies of the drug available for civilian uses, the 2,700 hospitals are being given a 20 percent increase in their penicillin quotas for February, which will make available about 40,000,000,000 units for their use, as against 33,500,000,000 in January.

Linseed Oil Inventories Are Limited

Because of existing uneven distribution of linseed oil among users, the War Food Administration has issued War Food Order No. 124 limiting individual inventories to one-third of the quantity used in the previous calendar quarter. Exempt from provisions of the order, effective January 31, 1945, is the quantity of linseed oil to be delivered to a government agency or to be used in the manufacture of products for a government agency.

The order requires flaxseed crushers to obtain from users with each delivery of oil a certificate stating that the quantity being accepted is within the terms of the order. In addition to limiting the inventories, WFO 124 prohibits users from purchasing or contracting to purchase linseed oil beyond a 90 days' supply, including existing inventories and contracts for future delivery. Ninety days' supply is the quantity used in the previous calendar quarter.

Consideration is also being given by officials to the necessity of requiring those persons with inventories in excess of the new limitations to set aside this excess for purchase by the government to be distributed to essential users now short of the oil. An order along these lines may be forthcoming next week.

C.E. Fix Counsel For Reclamation Bureau

Clifford E. Fix has been named chief counsel of the Bureau of Reclamation. Mr. Fix has served as acting chief counsel since the resignation of J. Kennard Cheadle last December, and prior to that was assistant chief counsel of the bureau.

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Bids Wanted

Para Toner:—200 pounds, Purchasing Agent, Government Printing Office, Washington (25); opening January 29.

Chemicals:—Chief Clerk, Department of Justice, Bureau of Prisons, Federal Correctional Institution, Tallahassee, Fla.; invitation 25-1380, opening February 6.

Drugs & Chemicals:—General Purchasing Officer, The Panama Canal, Medical Section, Washington (25); circular 1861, opening February 16.

Drugs and Chemicals: — Associate Assistant Director, Department of Justice, Bureau of Prisons, Washington; invitation 3642, opening February 15.

Lithopone:—1,680 pounds, General Purchasing Officer, The Panama Canal, Washington (25); schedule 7707, opening February 9.

Magnesium Silicate:—6,000 pounds, General Purchasing Officer, The Panama Canal, Washington (25); schedule 7707, opening February 9.

Margarin, Colored:—1,895,000 pounds, Chief, Procurement and Price Support Branch, Office of Supply (Commodity Credit Corporation), War Food Administration, Washington (25); announcement Awd-280, supplement 3, opening February 5.

Metal Polish:—4,000 pounds of paste, Purchasing Agent, Post Office Department, Washington (25); invitation 1564, opening February 5.

Mercuric Oxide, Red:—2,000 pounds, General Purchasing Officer, The Panama Canal, Washington; schedule 7708, opening February 9.

Red Lake C Toner:—600 pounds, Purchasing Agent, Bureau of Engraving and Printing, Washington (25); invitation BEP-615, opening February 8.

Soap, Liquid Toilet:—7,500 gallons, Assistant Chief, Service Office, Federal Works Agency, Public Buildings Administration, Washington (25); invitation 2079-2-10-lg, opening February 10.

Soap, Paste:—2,250 pounds, Assistant Chief, Service Office, Federal Works Agency, Public Buildings Administration, Office of Buildings Management, Washington (25); invitation 2046-2-8-m, opening February 8.

Soda Sulphite:—Treasury Department, Procurement Division, Washington (25); invitation 38-29783, opening February 5.

White Lead:—200,000 pounds of paste in oil, General Purchasing Officer, The Panama Canal, Washington (25); schedule 7710, opening February 9.

CMP Rule Adopted To Prevent Output Jam

OPD Washington Bureau

The War Production Board has ruled that manufacturers who are behind schedule in making Class B products under Controlled Materials Plan procedures may not make up such deficiencies in any but the succeeding quarter for which such production has been authorized, and then only up to 10 percent of the total production has been authorized.

This rule, set forth in an amendment to CMP Regulation No. 1, is adopted to prevent "jamming" of production into shorter periods than intended by WPB when making authorizations. Formerly, any production lag in Class B products could be made up in any succeeding quarter or quarters. This rule still applies to Class A products. Class B products are those for which manufacturers make application to WPB for materials with which to carry on production. They include most civilian type products.

This amendment also permits the use of controlled materials that are not needed for the production schedule for which they were originally acquired on any other production schedule in the same plant or operating unit if such schedule is authorized in terms of units or dollars. Formerly, the regulation did not permit such use.

In addition, the amended regulation specifically points out that materials obtained under a CMP allotment that are not needed for the purpose for which originally acquired may be used for any purpose for which the manufacturer is entitled to use a blanket allotment symbol (such as MRO), but in this instance the amount of materials used must be charged against the permitted quota limiting the use of the blanket symbol. Other changes have been made in the regulation, including certain modifications in required lead time for placement of steel orders and changes in minimum mill quantities for aluminum.

Contract Termination Orders Are Issued

OPD Washington Bureau

Robert H. Hinckley, director of Contract Settlement, has announced that he has issued three new regulations. One regulation provides speedy procedures for the removal of termination inventories, aids war contractors in converting to new production, whether they hold fixed-price or cost-plus contracts. The regulation is applicable to all contracting agencies and closely parallels provisions in use for some time by the War and Navy Departments.

Regulation 11 authorizes war contractors to destroy original records provided photographs or microphotographs are made and retained, thus enabling contractors to save storage space.

Procedures for war contractors to use in filing claims based upon defective, informal and quasi-contracts are prescribed by Regulation 12, the third of the new regulations. Contractors may file claims and supporting facts when they have a right to compensation in the absence of formal contracts to support their claims, or where formal contracts are defective. Subcontractors follow the same procedures as to prime contractors; both present their claims to the appropriate contracting agency.

Mexican-Amer. Export Group Completes Work

OPD Washington Bureau

The eighteen months old Mexican-American Commission for Economic Cooperation has been dissolved by President Roosevelt and President Avila Camacho of Mexico. The commission reported that practically all of a $24,000,000 minimum 1944 export program to Mexico has been completed.

However, the commission reported that Mexico will need a minimum of capital equipment from abroad valued at $94,000,000 through 1947 and $43,000,000 in 1948 and the immediate subsequent years for projects of major significance to its economic development which have an estimated total over-all cost of $383,000,000.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

OPA is embarking on a new policy on the question of who shall absorb future increases in production costs and is pointing the finger at wholesalers and retailers. Price Administrator Bowles is of the opinion that the manufacturers have been taking it on the chin long enough: it is now time for the distributing trades to share some of the burden.

Mr. Bowles makes no bones over the fact that manufacturers, in spite of the fact that they have been absorbing most of the increases for two and a half years, are making bigger profits today than before the war. But, he says that, in justice to the manufacturers, it is time the same principle of cost absorption is applied to the distributors.

More to the point, he has found that, as in the case of other business groups, operations of retailers, wholesalers, and other distributors have been very profitable during the war. Taking department stores as an example, he found that, when greatly increased volume of sales are taken into account, they are making dollar profits before taxes which are more than ten times their 1936-39 earnings.

The aim of OPA will be to give greater effect to the established standard that ceiling prices of the products of a trade or industry as a group will be "generally fair and equitable." This does not mean that ceilings will be set so that every wholesaler and retailer can obtain a profit regardless of individual efficiency, but it does mean that the ceiling for the industry or trade will be at a level to earn as an absolute minimum its full peacetime profits. Some will continue to earn more—but a lot more will earn less.

Soapfat Scarcity Seen

Manufacturers are going to be hard-pressed this year to turn out enough soap. Experts of the Department of Agriculture are looking for a substantial increase in the soap requirements of the military and for relief distribution abroad this year; while the present high level of civilian demand can be expected to continue because of the high level of consumer income. In the meantime the 1945 outlook for soapfats is down from that of 1944.

Total output of inedible tallow and greases this year will be around 1,820,000,000 pounds, about 150,000,000 pounds less than in 1944, because of a prospective reduction in hog slaughter. Since lard supplies will be tighter, use of lard as a soapfat will have to be limited, probably to the quantity in soapmakers' inventories at the beginning of the year, which is way below the 200,000,000 pounds used in soap last year.

The brightest spot in the soapfat picture is the supply of fish oil. Inventories are larger now than a year ago because of the unusually large output of the last quarter. Indications are that soap manufacturers will have to use more of this oil for this reason, although it is not a major soapfat.

Natural Gas Jealousy

Ultimate disposition or use of the "Big Inch" pipeline after the war is another one of the bigger postwar problems that Congress will have to resolve in the not too distant future. All the talk of using it for transportation of natural gas from Texas to industries of the East has got the Texas lawmakers stirred up and they are out to scuttle the movement if they can.

Texas wants to hold on to its natural gas for the needs of its own industries and for the postwar inducement the gas presents for new industries to locate in the State. Eastern interests naturally are fighting to hold their industries and are demanding that the line be converted to hauling gas for fuel when supplies of petroleum drop to where the line can't be operated efficiently on liquids alone.

The issue probably will be decided one way or the other when the senate takes up the bill of Senator W. Lee O'Daniel of Texas, who is proposing in S.368 that, should the line ever be used for transporting natural gas, the government shall take immediate steps to tear up the line and turn the land back to its former owners.

Camphor Oil Motor Fuel

China has found a new use for its camphor oil stocks that can't be shipped out of the country because of the Japanese blockade. W. Mackenzie Stevens of the Department of State, who made a trip through Free China for the department not so long ago, says it is being used as a fuel for buses and in other combustion engines.

Reporting his experience on a bus so fueled—if we think our buses are crowded nowadays, notice what he says of his trip—Mr. Stevens said:—

I have ridden in a camphor-oil bus made from an old Chevrolet car, with a wooden body holding thirty-five people, crowded on top of one another around the edges, the center of the car loaded full of freight and baggage. The crowding is so close that one can scarcely move a muscle, but this is readily compensated for at the first hill, where we all have to get out and push. The camphor-oil fuel also has its advantages. If one has a cold, the camphor oil clears the nasal passages. If one does not have a cold, the fumes soon convince one that he has.

Foreign Trade Puzzle

Those countries which look to the United States to supply items needed for their domestic economies, including the Latin American countries, may find their 1945 allocations cut because of the stepped up war demands here. The foreign buying missions now stationed in this country are being asked by Washington officials to revise downward their estimates for the second and third quarters of this year.

Military developments have necessitated curtailment of many items for civilians, and both domestic and export allocations are scheduled for reduction. Need of shipping for the European and Pacific theatres of war, as well as increased demands for munitions and military supplies, are the governing factors. Final decision in the matter is complicated however, since the United States is supplied by some of these countries with needed strategic and critical raw materials.

Milk Sugar and Cheese

The continued probing of government researchers into new uses for agricultural products have turned up several new developments of interest to drug manufacturers and feed producers. One has to do with making milk sugar from cheese whey and the other the use of synthetic urea for feeding dairy cattle.

In its latest annual report on dairy research, the Bureau of Dairy Industry of the Department of Agriculture says that six different processes have now been developed for producing lactose from cheese whey. Each of the methods requires only one crystalization, and yields a grade of milk sugar suitable for many uses. Heretofore milk sugar has been made largely from casein whey. Use of cheese whey opens up a new source for the increased quantities greatly needed for penicillin production.

With respect to use of synthetic urea for feeding, the report says that feeding trials were conducted in several State experiment stations, which showed that a relatively small amount of urea gave satisfactory results when used in place of much larger amounts of conventional protein concentrates to supplement low-protein roughage.

Governmental Research

The Federal government is spending an average of about $600,000,000 yearly on scientific and technical research, the senate committee on war mobilization, which has just completed a study of this subject, reports. This compares with only about $50,000,000 annually before the war at a time when private industry was spending upward of $250,000,000.

How much private industry is spend-

—*Continued on page 43*

Civilian Freight 4-Day Embargo Ordered

OPD Washington Bureau

Because of continuing severe weather conditions the Office of Defense Transportation and the Interstate Commerce Commission has directed the railroads to place civilian freight in eight States and the District of Columbia under a four-day embargo commencing at 12:01 a.m., February 3. The description of the embargo (Association of American Railroad Embargo No. 47) follows:—

By direction of the Office of Defense Transportation and the Interstate Commerce Commission, effective 12:01 a.m. Saturday, February 3rd, and continuing until 12:01 a.m. Wednesday, February 7, no railroad will place cars for loading or sign or issue bills of lading for carload or less than carload freight consigned, reconsigned or to be reconsigned to destinations in or moving via any railroad through the States of Ohio (not including lines of the Wabash Railroad or the territory included within the switching limits of Cincinnati), Pennsylvania, New York, New Jersey, Maryland, Delaware, District of Columbia, and that portion of West Virginia and Virginia north of the line of the Chesapeake and Ohio Railroad extending from Huntington, W. Va., to Potomac Yard; nor will any railroad operating within the area described above place cars for loading or sign issue bills of lading for carload or less than carload freight at any point within this area during the period 12:01 a.m. February 3, and continuing until 12:01 a.m., February 7.

Phthalic Anhydride Production Discussed

OPD Washington Bureau

The chemical industry's capacity to produce phthalic anhydride will be almost three times the 1940 production of approximately 58,000,000 pounds when the present expansion program is completed in May, according to the Department of Commerce. Even so, however, it is anticipated that only the military and most essential civilian requirements will be met in the immediate future. Civilian consumption at present is almost negligible, being limited to a few of the most important needs most of which have a direct bearing on the war effort.

Although production capacity is being trebled, the department does not anticipate any burdensome surplus problem in the postwar future, stating that new uses for the material developed in the last few years under the pressure of war needs which have not yet been adapted to civilian consumption, plus expanded demands of foreign markets for the material will offset much of the stepped up production.

The situation surrounding phthalic anhydride was reviewed by the department in an article appearing in its February issue of Domestic Commerce. It was prepared by Susan M. Phillips of the Chemical Unit of the Bureau of Foreign and Domestic Commerce. The article traces the development and uses of the material from the time it began its industrial career more than a quarter of a century ago until the present time when production has risen to over 100,000,000 pounds with 98 percent of the output going into the war effort.

Agricultural Research Administrator Named

The resignation of E. C. Auchter as administrator of agricultural research, effective February 3, and the appointment of the assistant administrator, P. V. Cardon, to succeed him, has been announced by Secretary of Agriculture Wickard. Dr. Auchter is resigning to become director of the Pineapple Research Institute of Hawaii, with headquarters at Honolulu.

Mr. Cardon was born in Logan, Utah, in 1889. He graduated from Utah State College and then spent ten years, beginning in 1910, as agronomist in the Bureau of Plant Industry of the Department of Agriculture.

Census Bureau Business Chief Is Appointed

William C. Truppner, formerly of the War Production Board, has been named chief of the Business Division of the Bureau of Census, as announced by J. C. Capt, director. Mr. Truppner will have charge of the decennial census of retail and wholesale trade, construction, and service establishments, including hotels, and amusements.

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Paint Production Clubs News

Members of the New York Paint and Varnish Production Club were edified and somewhat electrified by an ocular demonstration of new discoveries on the character and action of viscous substances when treated with various paint, varnish and rubber solvents, given by a guest speaker, E. H. McArdle, of the Standard Oil Development Company, at its latest monthly dinner meeting, held in the Building Trades Employers' Association building, February 1.

Mr. McArdle's lecture, which was illustrated with exhibits of rubber and paint pigments in association with the various solvents and also by blackboard illustrations of chemical and logarithmic calculations, was entitled "Viscosity Effect of Paint Thinners; Types of Vehicle Dispersions." In revealing his discoveries in the field of viscosities, he presented an entirely different conception and depiction of them than had hitherto been generally held. He also included in his exposition the results of his latest studies of high polymers and solution viscosity.

Following Mr. McArdle's talk, Chief Yeoman Soel, of the U. S. Navy, exhibited a talkie-movie called "The Battle of China."

Los Angeles

Los Angeles Paint and Varnish Production Club at its January meeting was attended by fifty-two members

—Continued on page 48

Harry Soffer Quits Paragon Paint Co.

Harry C. Soffer has resigned from the Paragon Paint & Varnish Corporation of which he was managing director for twelve years. Mr. Soffer has not made known as yet what his plans are for the future.

Harry C. Soffer

A graduate of St. Lawrence Uni-

—Continued on page 52

Coaltar Intermediates Output: 1943

The production of coaltar intermediates totaled 1,533,512,571 pounds in the United States as compiled by the Tariff Commission, follows:—

	Pounds.
Acetanilide, tech	13,464,788
p-Acetylaminobenzenesulphonyl chloride	4,811,659
p-Aminoacetanilide (Acetyl-p-phenylenediamine)	227,750
1-Aminoanthraquinone and salt	2,058,970
2-Aminoanthraquinone and salt	540,046
p-Aminoazobenzene (Phenylazoaniline) and hydrochloride	86,779
Aminoazobenzene-3,4-disulphonic acid	38,878
Aminoazobenzene-m-sulphonic acid	93,991
Aminoazobenzene-p-sulphonic acid	32,007
o-Aminoazotoluene	299,879
m-Aminobenzoyl J acid	27,395
p-Aminobenzoyl J acid	54,370
1-Amino-8-naphthol-2,4-disulphonic acid, mono sodium salt (Chicago acid)	82,947
1-Amino-2-naphthol-4-sulphonic acid	1,334,817
1-Amino-8-naphthol-4-sulphonic acid, sodium salt (S acid)	52,706
2-Amino-5-naphthol-7-sulphonic acid, sodium salt (J acid)	690,578
2-Amino-8-naphthol-6-sulphonic acid, sodium salt (Gamma acid)	689,533
o-Aminophenol	68,673
o-Aminophenolsulphonic acid	38,478
Aniline omega-sulphonic acid	91,159
o-Anisidine omega-sulphonic acid	9,769
Anthraquinone-1-sulphonic acid sodium salt	2,464,696
Anthraquinone-2-sodium sulphonate, silver salt	659,423
Benzanthrone	674,923
Benzidinedisulphonic acid	15,959
Benzidine hydrochloride and sulphate	1,494,875
Benzoic acid, tech	83,975
Benzotrichloride (a-trichlorotoluene)	110,510
1-Benzoylamino-5-chloroanthraquinone	133,735
o-Benzoylbenzoic acid	8,879,442
Benzoyl J acid	12,482
Benzyl chloride	2,741,229
Bromobenzanthrone	109,524
p-Chloroanilinesulphonic acid	23,264
1-Chloroanthraquinone	395,770
2-Chloroanthraquinone	491,777
o-Chlorobenzaldehyde	124,024
Chlorobenzene (mono)	220,658,968
Chlorobenzoylbenzoic acid	1,225,308
1-Chloro-2,4-dinitrobenzene	37,214,842
Chloromethylanthraquinone	205,470
o-Chloro-p-nitroaniline	34,310
2-Chlorophenol (o-Chlorophenol)	522,371
o-Chloro-m-toluidine-p-sulphonic acid	325,799
o-Cresol	3,837,512
Cresol, (meta, para)	7,479,753
Cresol (ortho, meta, para)	7,235,142
Cresylic acid, refined	37,773,853
m-Diaminoanisole	13,165
4,4'-Diaminodiphenylamine-2-sulphonic acid	16,643
4,4'-Diamino-1,1-dianthraquinonylamide	478,316
Diamino-4,5-dibenzoyl-1,1'-Dianthraquinoneimine	183,628
Diaminostilbenedisulphonic acid	195,694
1-Diazo-2-naphthol-4-sulphonic acid	500,261
Diazosalicylic acid	39,954
Dibenzanthrone	124,739
1,4-Dichloroaniline	55,435
o-Dichlorobenzene	10,054,496
p-Dichlorobenzene	23,724,432
o,o'-Dichlorobenzidine	178,710
2,4-Dichlorobenzoic acid	397,124
2,4-Dichlorotoluene	539,839
Dichlorosulphophenylmethylpyrazolone	44,692
1-Diethylamino-4-aminopentane (Noval diamine)	115,242
Diethyldiphenylurea	3,196,630
1,4-Dihydroxyanthraquinone (Quinizarin)	733,792
1,5-Dihydroxyanthraquinone (Anthrarufin)	31,264
5,5'-Dihydroxy-7,7'-disulphonic-2,2'-dinaphthylurea (J acid urea)	346,314
1,8-Dihydroxynaphthalene-3,6-disulphonic acid (Chromotropic acid)	40,913
Dimethyldianthraquinonyl	174,384
2,4-Dinitroanisole	37,399
Dinitroanthraquinone(1,5 and 1,8-dinitroanthraquinone)	148,067
Dinitrohydroxydiphenylamine	50,903
Dinitrostilbenedisulphonic acid	470,093
Dioxy S acid	8,602
Diphenyl epsilon acid	36,178
Ethylbenzylanilinesulphonic acid	408,048
Hydroquinone, tech	3,025,990
Indophenol (blue and green)	244,763
Leuco quinizarin	123,297
Metanilic acid (m-Aminobenzenesulphonic acid)	385,047
2-Methoxy-6,9-dichloroacridine	190,109
Methylaminoanthraquinone	192,494
2-Methylquinoline (Quinaldine)	18,873
Naphthalene, solidifying 79° C. or above (refined, flake)	83,371,628
1,5-Naphthalenedisulphonic acid	127,233
Naphthalene-2-sulphonic acid	84,502
Naphthalene-b-thioglycolic acid	106,013
a-Naphthol	564,166
2-Naphthol-3,6-disulphonic acid, disodium salt	362,929
2-Naphthol-6,8-disulphonic acid, disodium salt	347,475
1-Naphthol-4-sulphonic acid (Nevile & Winther's acid)	143,306
1-Naphthol-5-sulphonic acid	88,866
2-Naphthol-6-sulphonic acid (Schaeffer's acid)	130,673
2-Naphthol-7-sulphonic acid	.....
1-Naphthylamine	3,559,762
2-Naphthylamine-4,8-disulphonic acid	195,500
2-Naphthylamine-5,7-disulphonic acid	945,198
1-Naphthylamine-4-sulphonic acid (p-Naphthionic acid)	260,491
1-Naphthylamine-5-sulphonic acid (Laurent's acid)	116,013
1-Naphthylamine-6 and 7-sulphonic acids (Cleve's acids)	.....
1-Naphthylamine-7-sulphonic acid	.....
1-Naphthylamine-8-sulphonic acid	283,005
2-Naphthylamine-1-sulphonic acid	1,150,124
2-Naphthylamine-6-sulphonic acid (Broenner's acid)	68,803
Nitroaminodiphenylaminesulphonic acid	24,996
4-Nitro-2-aminophenol	82,400
m-Nitroaniline	137,919
p-Nitroanilinesulphonic acid	30,597
m-Nitro-p-anisidine (3-Nitro-p-aminoanisole)	10,942
p-Nitrochlorobenzene-o-sulphonic acid	153,260
Nitronaphthalene	4,804,006
o-Nitrophenol	96,398
p-Nitrosodimethylaniline	20,756
Nitrosophenol	304,883
o-Nitrotoluene-p-sulphonic acid	75,781
p-Nitrotoluene-o-sulphonic acid	1,152,710
3-Nitro-4-toluidine (m-Nitro-p-toluidine)	494,704
Penta-anthramide	1,386,050
Phenylacetic acid, tech	28,625
2-Phenylamino-5-naphthol-7-sulphonic acid (Phenyl J acid)	76,943
2-Phenylamino-8-naphthol-6-sulphonic acid (Phenyl gamma acid)	47,324
m-Phenylenediamine	942,275
m-Phenylenediaminesulphonic acid	180,131
Phenylglycine (Sodium salt)	5,729,101
1-Phenyl-3-methyl-5-pyrazolone	59,685
Phenylmethylpyrazolone-4-sulphonic acid	28,176
Phenyl-1-naphthylamine-8-sulphonic acid (Phenyl peri acid)	293,756
Phthalic anhydride	114,118,499
a-Picoline	388,966
Picoline (beta, gamma mixture)	267,659
Picramic acid and salt (2-amino-4,6-dinitrophenol and salt)	160,325
Pyridine, refined	1,629,606
Styrene (Vinyl benzene),* grade for rubber (Elastomers)	96,818,284
Styrene (Vinyl benzene), other grades	836,427
Sulphanilic acid and salt	1,815,847
Tetramethyldiaminobenzohydrol (Michler's hydrol)	16,027
Tetramethyldiaminobenzophenone (Michler's ketone)	103,992
Tetramethyldiaminodiphenylmethane	1,257,006
Thioaniline (p,p'-Thiodianiline)	50,777
o-Toluidine and salts	206,123
p-Toluidine	848,347
o-Toluidinedisulphonic acid	9,952
o-Toluidine-m-sulphonic acid	115,617
p-Tolyl-o-benzoic acid	645,457
m-Tolylenediamine	848,972
Tolyl-1-naphthylamine-8-sulphonic acid (Tolyl peri acid)	24,501
Trichlorobenzene	4,629,535
Xylidine, ortho and para	36,764
Xylidine and salt, other	421,196
All other	793,925,869

* Does not include production of the Polymer Corporation at Sarnia, Canada.

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(Parenthetic figures are the numbers of patents in the United States or other countries; as designated)

Betapara-tertiary-phenylphenoxyethoxyethyldiethanolamine

Adhesives — Wetting agent (U.S. 2229024) in various adhesive preparations

Chemical—Wetting (U.S. 2229024) in making emulsions of various chemicals, textile lubricants

Cosmetic — Wetting agent (U.S. 2229024) in creams, hand lotions, and the like

Disinfectant — Wetting agent (U.S. 2229024) in disinfecting and germicidal compositions

Dry Cleaning—Wetting agent (U.S. 2229024) in dry-cleaning liquids

Dye—Wetting agent (U.S. 2229024)

Fats, Oils, and Waxes — Wetting agent (U.S. 2229024) in boring, cutting, drilling, and wire-drawing oils, greasing and lubricating compositions, sulphonated oils, wax preparations

Firefighting — Wetting agent (U.S. 2229024) in solutions for extinguishing brush fires

Ink—Wetting agent (U.S. 2229024) in lithographic, printing, and writing inks

Insecticide and Fungicide—Wetting agent (U.S. 2229024) in insecticidal and fungicidal, horticultural sprays

Leather — Wetting agent (U.S. 2229024) in dressing, fat-liquoring, finishing, soaking, softening, tanning, and waterproofing compositions

Metallurgical—Wetting agent (U.S. 2229024) in metalplating and solvent-degreasing processes, metal-cleaning baths, scouring agents for metals

Miscellaneous—Modifier of surface tension of liquids in various products and processes

Softening agent for fibers

Wetting agent (U.S. 2229024) in beer-glass coasters, cleaning compositions for windows, glassware, rugs, upholstery, embalming fluids, ink removers, polishing compositions for furniture, automobiles, metals, wood, glass, shoes, and other articles, soldering fluxes, various processes involving aqueous solutions, such as soaking, washing, impregnating, penetrating, wetting, wallpaper removers, waterproofing compositions, water sprays for settling dust

Paint, Varnish, and Lacquer—Wetting agent (U.S. 2229024) in lacquers, paints, and varnishes, and pigment manufacture

Paper—Wetting agent (U.S. 2229024) in beater operations, dye liquors, felt conditioning, felt-cleaning agents, sizing compositions, waterproofing and waxing compositions

Petroleum — Wetting agent (U.S. 2229024) in acid treatment of oilwells, in cutting oils, and mineral oils, pitch, and tar compositions

Pharmaceutical—Suggested as wetting agent in oral antiseptics

Photographic—Wetting agent (U.S. 2229024) in blueprint and photographic processes

Rubber — Wetting agent (U.S. 2229024) in cements

Soap—Wetting agent (U.S. 2229024) in detergent compositions, textile soaps

Textile—Softening agent for fibers

Wetting agent (U.S. 2229024) in baths for bleaching, bowking, carbonizing, degumming and boiling-off, dyeing, fulling, kier-boiling, mercerizing, and soaking, coating, degreasing, oiling, scouring, sizing, spinning, washing, waterproofing, and waxing compositions, and printing pastes

Betapinene N-Amylether Thiocyanoacetate

Chemical—New terpene compound claimed (U.S. 2239945, 2239946, 2227058, 2227059, 2227060, 227061) interesting for research and development.

Cinchonine Periodide

Pharmaceutical — In compounding and dispensing practice (reputed useful as iodine source in local applications)

Diethyl Tartrate Cyclohexylketal

Textile—Dressing and conditioning agent (U.S. 2249519) for yarns, especially of organic derivatives of cellulose.

Diformylhexamethylenediamine

Textile—Starting point (Brit. 544310) in making fiber-forming linear polyamides

Duroquinol Dihexadecylether

Pharmaceutical—Claimed (U.S. 2247364) to have vitamin activity.

Ethyldinitrophenol

Insecticide and Fungicide — Toxic agent (U.S. 2210945) in dusting compositions.

Ethylenediamine Dihydriodide

Pharmaceutical—Claimed (U.S. 2128741 and Re-21,528) useful in internal medication.

Ethylhexanediol

Chemical—New organic chemical (glycol) which is colorless, high-boiling (243°C), and nonvolatile

Suggested as promising intermediate for making plasticizers

Suggested for use in making derivatives said to be less soluble in water and more soluble in oil than those made from the lower glycols

Cosmetic—Suggested as promising intermediate for making perfume fixatives

Suggested for experimental use as substitute for glycerin, which it is said to resemble in its softening action on the skin, in creams, lotions, jellies, and the like

Insecticide and Fungicide—Basic ingredient of various well-known insect repellents.

Repellent for insects

Resins—Suggested as promising intermediate for making synthetic resins

Furfuralacetophenone

Insecticide and Fungicide—Toxic agent (U.S. 2212529) in insecticidal compositions.

5-Hydroxy-2-alphaphenylisopropyldiphenyl

Disinfectant—Claimed (U.S. 2247402, 2247403, and 2247404) as germicide

Insecticide and Fungicide—Claimed (U.S. 2247402, 2247403, and 2247404) as fungicide and insecticide

Miscellaneous — Claimed (U.S. 2247402, 2247403, and 2247404) as antioxidant

2-Hydroxypyridin-5-sulphonic Acid Amide

Pharmaceutical — Toxic agent offered (U.S. 2211702) as useful in treating germ infections

Parabenzoylphenylbenzyl Ether

Insecticide and Fungicide — Toxic agent (U.S. 2213214) in insecticidal compositions

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Current Market Quotations
Chemicals and Related Materials

February 2, 1945

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).
Acetaldehyde,*,[6] 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works.....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37
Acetic anhydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms...lb. .49 - .67
Acetone, CP,[1,6] dms., c.l., dlvd. E.*..lb. .08 - —
l.c.l., dlvd. E.*.....lb. .08½- —
tanks, dlvd. E.*.....lb. .07 - —

* OPA ceiling for East; Western ceiling, ½c. per lb. higher.

Methyl (see M).
Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works, lb. .90 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.68 - 1.75
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., wks...lb. .07½- —
Acetic,[1,6] com'l or redist., 28% bbls..100 lbs. 3.38 - 3.63
56%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works..100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks.....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs.10.50 -11.00
USP, dms., works..100 lbs. 4.41 - 4.69
pure, 30%, bbls.....100 lbs. 4.86 - 5.11
36%, bbls.....100 lbs. 7.60 - 7.85
60%, bbls.....100 lbs. 9.26 - 9.51
80%, bbls.....100 lbs. .08 - .10
USP, 36%, cbys.....lb.

Acetic acid prices ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride,[6] (see Acetic anhydride).
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots, same basis, lb. .46 - .59
Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis, lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic,[6] fib. dms., works....lb. .31 - —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous[6] tech. (see Arsenic, White).
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic,[1], USP, dms., 500-kilo lots..kilo.24.50 - —
25-50-kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo.....kilo.26.41 - —
500 gram .....kilo.27.47 - —
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs. up...lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs. .....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Betaoxynaphthoic, bbls., works, lb. .95 - —
Boric,[3] tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Acid, butyric, 99%, dms., c.l., works..lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broeners, bbls. .....lb. 1.11 - —
Cacodylic, 5-lb. bots.....lb.22.00 - —
Camphoric, cns.....lb. 6.95 - 7.00
Capric, tech., ret. dms....lb. .21½- .22
Caprylic, tech., ret. dms....lb. .27 - .27½
Castor oil,[5] split, ret, dms...lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks., lb. .03 - —
l.c.l., works .....lb. .03½- .04½
tanks, works .....lb. .02½- —
Chromic,[6] 99½-99¾%, dms., c.l., lb. .16¼- —
l.c.l. .....lb. .16¾- .17¼
Cinnamic, refd., bots.....lb. 3.50 Nom.
Citric[1,6] anhyd., gran., dms., c.l.lb. .22½- —
10,000 lbs., 1 ship't..lb. .23 - —
smaller lots .....lb. .23½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l.lb. .20 - —
10,000 lbs., 1 ship't...lb. .20½- —
smaller lots, bbls.....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
Powd., citric acid, ½c. higher.
Cleve's, bbls. .....lb. .65 - —
Coconut oil,[1,5] dist., dms....lb. .15½- .17½
Corn oil, s.d., dms., c.l., works, lb. .12 - —
Cottonseed oil,[1,5] s.d., dms., c.l...lb. .12 - —
tanks, dlvd.....lb. .14¼- —
Cresylic,[3,6] dom. (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
(Petroleum), heavy grade (247°-298°), 20 dms., Cal. ref..gal. .490 - —
Sewaren, N. J., ref..gal. .616 - —
1-19 dms., Cal. ref.....gal. .510 - —
Sewaren, N. J., ref..gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), 20 dms., Cal. ref..gal. .550 - —
Sewaren, N. J., ref.gal. .636 - —
1-19 dms., Cal. ref....gal. .570 - —
Sewaren, N. J., ref..gal. .696 - —
tanks, dlvd.....gal. .646 - —
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, dom., 85%, cbys., c.l., works..lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works.....lb. .10½- —
l.c.l. .....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
dmjn. .....lb. .21 - .23
kgs., 100 lbs.....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Hydroxyacetic).
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, conc., cbys....lb. .35 - .37
dil., cbys.....lb. .20 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, basic acid content..lb. .08½- —
Hypophosphorous, USP, djns., lb. .75 - .77
Lactic,[6] edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more, lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
80%, bbls., cbys., 5 cbys..lb. .26 - —
1 to 4 cbys.....lb. .26½- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works..... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75% cbys.....lb. .52 - .55
Lauric, dist., 95%, dms.....lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[5] light, dms.....lb. .21½- .22
Maleic,[6] powd., dms.....lb. .30 - —
anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Acid, mandelic, USP., dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots .....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric, unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .93 - 1.10
Monochloroacetic, tech., 85%, bbls..lb. .17 - —
purified, bbls. .....lb. .20 - —
Monosulphonic, bbls. .....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works .....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys.lb. .08 - —
6-lb. bots. .....lb. .19 - —
dealers, cbys. .....lb. .06½- —
6-lb. bots. .....lb. .17½- —
Myristic, dist., dms.....lb. No stocks.
Naphthenic,[6] 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works .....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic,[6] USP, dms., 50-kilo lots up..kilo. 7.00 - —
10-kilo lots .....kilo. 7.10 - —
2½-kilo lots .....kilo. 7.20 - —
1-kilo lots .....kilo. 7.30 - —
Nicotinic amide (see Nicotinamide)
Nitric,[6] 36°, cbys. c.l., E. works..100 lbs. 5.00 - —
l.c.l., 23, E. works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys.lb. .13 - —
7-lb. bots. .....lb. .23 - —
dealers, cbys. .....lb. .11¼- —
7-lb. bots. .....lb. .21½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs. .....lb. .11½- —
smaller lots .....lb. .12½- —
Palm oil,[5] white, dist., dms.lb. No stocks.
tanks .....lb. No stocks.
Para-aminobenzoic, cns. ...lb. 1.40 - —
Paranitrobenzoic, cns. .....lb. .72 - —
Paratoluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —
Peanut oil,[1] s.d., tanks, divd., lb. .11¼- —
Phenylacetic, bots.....lb. 3.00 - —
Phosphoric,[6] pure food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald, 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10¼- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, 55-gal. dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - —
cns. .....lb. 1.63 - —
USP., cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., dlvd. E.gal. .30 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1,5] s.d., dms.....lb. .14½- .18½
tanks, works.....lb. .11 - —
Stearic,[1,5] double-press, bgs..lb. .15¾- .16¾
single press, bgs.....lb. .15¾- .16¾
triple press, bgs.....lb. .18¾- .19¾
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric,[6] 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 uj, works.100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, consumers, cbys.lb. .58 - —
9-lb. bots.....lb. .17 - —
dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs.lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Acid, tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., I ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —
Thioglycolic, basis 100%, highly purified, bbls., cbys..lb. 5.00 - 7.10
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.10 - 1.18
Acetic hydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., frt. alld..lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works...lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —
Adeps lanae,[1] USP, anhyd., pharmaceutical, dms., works, lb. .32 - .33
cosmetic, dms., works...lb. .33 - .34

Adeps lanae prices for primary distributors f.o.b. St. Louis, 1c. higher.

Agar .....lb. 3.50 - —
San Diego, Cal. .....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] powd., bbls....lb. 2.07 - 2.10
granular, cryst., bbls..lb. 2.02 - 2.05
tech., cryst., bbls.....lb. 1.40 - 1.55
Alcohol, allyl, dms., c.l., divd.lb. .29 - —
l.c.l., divd.....lb. .30 - —
tankcars, divd.....lb. .28 - —
Amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
Benzyl, cns. .....lb. .65 - .75
dms. .....lb. .63 - —
Butyl, normal,[1,6] ferment, Ill., Ind., prod., dms. frt. alld. lb. .1880- —
l.c.l., frt. alld. E...lb. .1930- —
tankcars, frt. alld. E..lb. .1780- —
tankwagons, frt. alld. E. lb. .1830- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

* Normal butyl alcohol prices West, ½c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .096 - —
tanks, same basis.....lb. .085 - —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —
Capryl,[6] dms., c.l., works..lb. .17½- —
l.c.l., works .....lb. .18½- —
tanks, works .....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots .....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 4.00 - 4.25
Denatured,[1,3,6] CD14, dms., c.l., works, E..gal. .57 - —
19, dms., works, E....gal. .59 - —
1 to 18 dms., works, E..gal. .62 - —
tanks, E. works.....gal. .50 - —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., wks., E.gal. .55 - —
19 dms., works, E...gal. .59 - —
1 to 18 dms., works, E. gal. .60 - —
tanks, E. works.....gal. .48 - —
SD23G (replaced by SD28H).
SD23H, works, c.l., dms..gal. .56½- —
19 dms. .....gal. .58½- —
1 to 18 dms. .....gal. .61½- —
tanks, E. works.....gal. .49½- —
SD29, denatured, with acetaldehyde, dms., c.l., works, gal. .56½- —
19 dms. or more, E. works..gal. .60 - —
1 to 18 dms., E. works, gal. .63 - —
tanks, E. works.....gal. .49½- —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .58 - —
19 dms. to c.l.....gal. .60 - —
1 to 18 dms.....gal. .63 - —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[1,6] acetone-free, dms., c.l., divd..lb. .11½- .14½
l.c.l., divd.....lb. .11¾- .15
tanks, divd.....lb. .10¼- .13½
tech., dms., c.l., divd.....lb. .11 - .13½
l.c.l., divd.....lb. .11¼- .14
tanks, divd.....lb. .10 - .12½

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling
[2]—Price agreement (sellers with OPA)
[3]—General Limitation Order (L order)
[4]—General Preference Order (M order)
[5]—Conservation Order (M order)
[6]—Allocation

Alcohol, ethyl,[6] 190 pf., dms.,
c.l..gal.17.67 - —
19 dms.....gal.17.70½- —
1 to 18 dms.....gal.17.73½- —
tanks .....gal.17.60 - —
absolute, dms., c.l.....gal.18.62 - —
19 dms.....gal.18.65½- —
1 to 18 dms.....gal.18.68½- —
tanks .....gal.18.55 - —
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol isobutyl).
Isobutyl,[6] refd., dms., works..lb. .0860- —
tanks, works.....lb. .0760- —
Isopropyl,[3,6] refd., 91%, dms., 5 gals., dlvd..gal. .66½- —
55 gals., c.l., dlvd....gal. .39 - —
l.c.l., dlvd.....gal. .43½- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., dlvd.gal. .65 - —
55 gals., c.l., dlvd...gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, frt. alld.....gal. .37½- —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns.....lb. No prices
Polyvinyl, type A, fiber-pack, Niagara Falls..lb.. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .63
Tetrahydrofurfuryl, dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —
cns., Cedar Rapids, Ia.....lb. .55 - —
Aldol,[6] dms., works.....lb. .13 - .15
denat., grd., dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.40 - 2.50
Algin, bbls., fib. dms.....lb. .76 - 1.60
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .17 - .17½
Aloe, Cape, cs.....lb. .29 - .30
Curacao, kgs.....lb. .57 - .58
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28½
Alphapinene, dms., c.l., wks.gal. .86 - —
l.c.l., works.....gal. .88½- —
tanks, works.....gal. .83 - —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l. .....lb. .1390- —
tanks .....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia,[6] burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., wks.100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, ground, classified, grade, kgs., works..lb. .35 - .67
top grade, ground, kgs., works, lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solut., 24%, bbls., dlvd..lb. .10½- .11
solut., 20%, bbls., dlvd...lb. .09½- .10
Chloride, anhyd.,[6] com'l, bulk, c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works .....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solut., 12-20° Be, bbls., c.l., works..lb. .09½- —
l.c.l., works .....lb. .10 - —
Hydrate,[6] heavy, bgs., c.l., works..lb. .024 - .031
bbls., c.l., works.....lb. .027 - .034
l.c.l., works .....lb. .04 - —
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd. .....lb. .15 - —
Hydroxide, gel, tech., min. 15% AlO_3, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis...lb. .03 - .03¼
smaller lots, same basis, lb. .03¾- .04
USP purity, conc., 9-9½%, Al_2O_3, fib. dms., works, lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .76 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, prec. bbls.....lb. .25 - .26
Naphthenate, 1.7%, Al, 50-gal. dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., bbls., c.l..lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works.. 100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 2.10 - —
trihydrate, heavy bgs., wks.. lb. .024 - .035
Aluminum, 98-99%,[2,3,4] c.l....lb. .15 - —
l.c.l. .....lb. .15 - .16
Paste, lining, extra fine, 200-dm..lb. .56 - .60
ink, 150-lb. dm. .....lb. .71 - —
standard, 200-lb. dm.....lb. .38 - —
Powder, lining, extra fine, 150-dm..lb. .93 - —
litho, 150-lb. dm.....lb. .57 - —
standard, 200-lb dm.....lb. .39 - —
rubber comp., 200-lb. dm....lb. .40 - —
unpolished, stand., dms...lb. .36 - —
varnish, stand., 300-lb. dm.lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.13.50 -14.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
refrigeration, tanks, wks..ton.69.00 - —
pure, cyls.....lb. .14½- —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .03¼- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs. up, frt. alld...lb. .43 - —
smaller lots, frt. alld...lb. .44 - .47
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .17
Borate, gran., bbls., kgs.....lb. .1080- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Carbonate, USP, lump, dms..lb. .08½- .09¼
cns. .....lb. .14¼- .17¼
powdered, lc. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs..lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride,[6] bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, domestic, bgs., c.l., shipping points..ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech, bgs., works.....100 lbs. 4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate-Limestone, 20.5% N, bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbls., kgs..lb. .27 - .33
Perchlorate,[6] kgs.....lb. .55 - .65
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF, bbls., kgs..lb. .37 - .39
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
Salicylate, NF, dms., kgs...lb. 1.15 - 1.18
Silicofluoride,[6] bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .08½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] dms., bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports...ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works .....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycollate, basis 100%, highly purified, bbls..lb. 7.10 - 8.25

Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works... 100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- .16½
l.c.l., dlvd. .....lb. .13 - .19
tanks, dlvd. .....lb. .11½- .17½
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Caproate, dms.....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works .....lb. .08 - —
tanks, works .....lb. .06 - —
Ether, dms., c.l., works....lb. .09½- —
l.c.l., works .....lb. .102 - —
tanks, works .....lb. .08½- —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Oleate, dms., works.....lb. .31 - —
Salicylate, bots.....lb. .75 - 1.00
Stearate, dms., works.....lb. .42 - —
Amylene, dms., c.l., works....lb. .10½- —
l.c.l., works .....lb. .11 - —
tanks, works .....lb. .09 - —
Amylnaphthalene, mixed, crude, dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, con'l, dms., works...lb. .657 - .662
NF, dms.....lb. 2.60 - 3.00
Angelica atropurpurea root, dms., lbs..lb. .80 - 1.35
Angostura bark, bls.....lb. .20 - .21
Anilin[6] oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise[1] Cyprus, bgs.....lb. .29 - .30
Bulgarian, bgs. .....lb. .29 - .29½
Mexican, recleaned, bgs.....lb. .17 - .17½
Syrian, bgs.....lb. .19½- .20
Turkish, bgs. .....lb. No stocks.
Anisic aldehyde, bots.....lb. 3.25 - 3.35
Annatto,[5] paste, bxs.....lb. .34 - .39
Seed, bgs. .....lb. .08½- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,6] bulk, c.l., works...lb. .14½- .17½
Needle,[1] Bolivian, brown, 67%, cs..lb. .18½- —
Chinese, black, 70%, cs....lb. .20 - .22
Oxide,[1] ceramic grade, bgs., c.l..lb. .15 - —
l.c.l. .....lb. .15½- —
paint grade, c.l.....lb. .16¾- —
l.c.l. .....lb. .16¾- —
Salt,[1] 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots .....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Apple Syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks.
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide, bots.oz. 6.10 - 7.10
Argols, min. 70%, bgs., Argentine port, 100 kilos, 100% purity.70.00 -72.00
Arnica flowers, bls.....lb. 2.35 - 2.45
Arrowroot, powd., bgs., bbls..lb. .09½- .10
Arsenic,[6] metal, lump, c.l....lb. No prices.
Chloride (arsenous), bots.....lb. 1.55 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Sulphide, yellow, bbls.....lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs. .....lb. .45 - .68
powd., bbls., dms.....lb. .55 - .82
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., same basis....ton.44.60 - —
6D, bgs., same basis....ton.33.00 - —
7D, bgs., same basis....ton.28.50 - —
7F, bgs., same basis....ton.26.50 - —
7H, bgs., same basis....ton.22.50 - —
7K, bgs., same basis....ton.19.00 - —
7M, bgs., same basis....ton.16.50 - —
7R, bgs., same basis....ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½ —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuba A, bulk, c.l., N.Y...ton.60.00 - —
l.c.l., same basis.....ton.90.00 - —
B, bulk, c.l., N. Y. .....ton.38.50 - —
l.c.l., same basis.....ton.55.00 - —
Egyptian, substitutes, bgs., l.c.l., refinery N. J. or Ill..lb. .08 - —
Gilsonite, brilliant black, selects, 340°F, fusing point, bgs., mines..ton.32.20 - —
290-295°F, fusing point, bgs., mines..ton.30.50 - —
270°F. fusing point, bgs., mines..ton.30.50 - —
seconds, 370-390°F. fusing point, not uniform, bgs., mines..ton.25.50 - —
300-330°F. fusing point, not uniform, bgs., mines. ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., wks..lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight Colo. mines..ton.30.50 - —
Mexican, ref'd., dms., c.l., Texas refy..ton.21.00 - —
l.c.l., same basis.....ton 21.00 -23.00
tanks, same basis.....ton.16.00 - —
Atropine, bots. .....oz. 7.85 - —
Sulphate, bots. .....oz. 5.90 - 6.00

B

Balm of Gilead buds, bgs.....lb. 1.05 - 1.15
Barbasco root,[2,6] (see Cube root).
Barberry, root bark, bgs.....lb. .90 - .95
Barbital, dms.....lb. 3.50 - 3.60
sodium, dms.....lb. 3.75 - —
Barium[6] carbonate, natural, 90% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate,[6] kgs.....lb. .36 - —
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst.,[6] bgs., c.l., works..ton.73.00 - —
l.c.l., same basis....ton.78.00 - —
bbls., c.l., same basis...ton.75.00 - —
l.c.l., same basis....ton.80.00 - —
Dioxide, dms., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11½
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, approx. 94% Ba SO_4, bulk, mines..ton. 8.50 - —
Bauxite, blk, mines.....ton. 7.00 10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. .90 - .95
Root, bls.....lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works.....ton.16.00 - —
Benzaldehyde,[6] NF, dms.....lb. .85 - 1.25
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .76 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90%, dms., works. gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 6.50
Formate, cns.....lb. 3.00 - 3.50
Isoeugenol, bots.....lb. 2.50 - —
Propionate, bots.....lb. 1.85 - 2.50
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .28 - .30
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., wks..lb. 1.60 - —
l.c.l., same basis.....lb. 1.85 - —
95%, same basis.....lb. 2.05 - —
98-99%, same basis.....lb. 2.20 - —
Beth root, bls.....lb. .43 - .44
Bismuth[6] chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns..lb. 1.49 - 1.58
fib. dms .....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, 62-66%, bbls., fib. dms..lb. 2.50 - —
5-lb. cns.....lb. 2.54 - 2.60
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Bisphenol-A, bgs., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
Black, acetylene,[2] bgs., c.l., works..lb. .14 - —
l.c.l., same basis.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
3, bgs., bbls., c.l., same basis, lb. .11 - —
4 bgs., bbls., c.l., same basis, lb. .08½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon,[6] heads, compressed, bgs., c.l., works..lb. .03550- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .07½- —
regular, uncompressed, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., works.....lb. .08½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15¼- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .20 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls....lb. .90 - .95
Tree bark, bls.....lb. .40 - .50
Black Indian hemp root, bls..lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works, ton.70.00 - —
l.c.l., works.....ton.75.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66⅔%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis.....ton.46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood,[1] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago.. unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½- —
smaller lots, Chicago....lb. .15 - .20
Bloodroot, bls.....lb. .70 - .80
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis..lb. 4.50 - 4.70
Chinese, bbls., same basis...lb. .36 - —
Milori, bbls., same basis..lb. .36 - —
Prussian, bbls., same basis, lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Molybdated, Victoria, same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent, toner, green shade, molybdic..lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis, lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis..lb. .23 - .27
job grades, bbls., same basis, lb. .12 - .13
reg. grades, bbls., same basis, lb. .17 - .27
Victoria, toner,- molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis..lb. 1.98 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Bluefag root, bls.....lb. .50 - .55

OPD—2-5-1945

Headwaters

Where the sun sparkles through the budding leaves after the snow has melted on the hillside — that's where you plan to tramp for those alluring trout.

So . . . if you are searching for tartaric acid — whether you require a single pound or a carload — you'll find us cheerful in giving the best service possible.

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324

Blue mass, NF, cne., tubs....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago....ton.57.00 -65.00
junk, bulk, same basis...ton.35.00 - —
meal, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.38.50 - —
Chicago, works.....ton.36.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see D).
Boneset leaves, bls.....lb. .14 - .15
Borage flowers, bls.....lb. .55 - .60
Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld...ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld..ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld...ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l....lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown,[2] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis, lb. .0235- —
Italian type, bbls., works.lb. .08¾- .10¾
raw, American, bbls., works.lb. .04 - .10
Italian type, bbls., works.lb. .08 - .10
Umber, American, bbls., works, lb. .03¾- —
Italian type, bbls., works.lb. .04¾- —
Brown, umber, Amer., Turkey-type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y.....lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
l.c.l., ex car, Los Angeles, lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles.lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., same basis..lb. .12 - —
Brucine, 100-oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .30 - —
Bryonia root, bls.....lb. .60 - .65
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .70 - .72
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[1] indust., tanks, Group 3, gal. .03½- —
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .18¼- —
l.c.l., frt. same basis, lb. .18¾- —
tanks, same basis.....lb. .17¼- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .1800- —
Synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis....lb. .1950- —
Butyl acetate, synth., tanks, same basis..lb. .10¾- —
secondary,[1,6] dms., c.l., divd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08¼- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16¾- —
tanks, works.....lb. .14½- —
Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works, lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Proprionate, dms., divd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide,[6] bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide,[6] bots.....lb. 4.23 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,6] pat. shapes, cs., divd., lb. .95 - —
Ingots or sticks.....lb. .90 - —
Selenide (see Red).
Sulphide(see Yellow).
Caffeine,[1,6] dms., makers primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots.....lb. 3.15 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
25 to 100 lbs.....lb. 3.15 - 3.30
smaller lots.....lb. 3.35 - 3.45
Citrated, dms., makers primary distrib., 100 lbs. or more, lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .30 - .35
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., divd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., works, frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1,2,6] dms., c.l., works, ton.50.00 - —
divd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper bgs., c.l., divd..ton.18.50 -35.00
l.c.l., 15 tons, divd..ton.21.50 -25.50
5-ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks., ton. 7.50 - —
purified, cryst., bbls., jars.lb. .28 - .39
solid, 73-75%, dms., c.l., divd., ton.18.00 -31.50
l.c.l., 15 tons, divd..ton.21.45 -25.45
5-ton lots.....ton.24.85 -40.95
Calcium chloride prices vary according to zone min. prices, spot. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.75 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, 100 lbs., dms., lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, dm..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
5 to 9 bbls., works.....lb. .08 - .09
1 to 4 bbls., works.....lb. .10 - —
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, 50-lb. paper bgs., c.l., work..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. No stocks
Calomel,[6] bbls., dms.....lb. 2.56 - 2.57
Camphor,[6] natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works. lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, 25-lb. dm.....lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type, bgs..lb. .76 - .77
Canadian, bgs.....lb. .75 - .76
Morocco, dewhiskered, bgs...lb. No stocks
Spanish, dewhiskered, bgs..lb. .73 Nom.
Syrian, dewhiskered, bgs....lb. No stocks

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Research is a habit with the pharmaceutical industry—a habit that is paying off today in the rapid development of new drugs and new manufacturing methods. And Dow's service to the industry is constantly growing to keep pace with these developments, for research is a habit with Dow, too.

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Chemicals

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CHEMICALS INDISPENSABLE TO INDUSTRY AND VICTORY

Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —

Carbinol, butyl, norm. (see Amyl alcohol, normal).
secondary, dms., l.c.l., works. lb. .60 - —

Dimethylethyl, l.c.l., works..lb. .60 - —

Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —

Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R. N. of Ohio R..lb. .05 - —
l.c.l., same basis... ....lb. .05¾- —

5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¼

Dioxide, cyls.....lb. .06 - .08

Tetrachloride,[1,6] c.p., dms., c.l. lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs., lb. 1.20 - 1.25
medium, cs.....lb. 1.08 - 1.15
decorticated, cs.....lb. .73 - .75
green, bgs.....lb. .70 - .71

Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —

Carvol bots.....lb.22.50 -23.00

Cascara sagrada bark, bulk..lb. .32 - .35

Case hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —

Casein,[1,6] dom., acid-precip., bgs., 100 or more, ship't point..lb. .22 - —
20 to 99, same basis....lb. .22¼- —
less than 20, same basis, lb. .22¾- —

Casein, dom., rennet-precip., bgs., 100 or more, same basis.. lb. .23½- —
20 to 99, same basis....lb. .23¾- —
less than 20 bgs.....lb. .24¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .18 - .18½
rennet-precip., unground, bgs., 100 bgs. or more..lb. .19½- .21

Cassia[1] .....lb. No stocks

Cassia fistula, bskts.....lb. .26 - .28

Castor beans, f.o.b. Brazilian ports..long ton.75.00 - —

Oil (see Oil, castor).

Pomace,[1] bgs., c.l., works.... unit-ton. 2.90 - —

Castoreum, nat., cns.....lb.12.50 -13.00

synth, bots.....lb.19.00 - —

Catechol, CP, cryst., works, fib. dms., tin..lb. 2.15 - 2.30
resublimed, frt. alld. E. of Miss., dms..lb. 3.50 - —

Catnep, bls.....lb. .65 - .66

Celery seed,[1] Indian, bgs.....lb. .22½- .23

Celluloid scrap (see Pyroxylin scrap).

Cellulose acetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - .35
granules, ctns., same basis..lb. .35 - —
Triacetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - —

Cerium hydrate, dms., works..lb. .60 - —

Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —

Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
smaller lots, bgs., same basis..lb. 2.00 - —

Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works, ton.32.50 - —
rubbermakers, bgs., c.l., works, ton.30.00 - —

Chamomile, Hungary type, cs..lb. .45 - .50
Roman, bls.....lb. No stocks

Charcoal, pinewood,[1,6] grain., pulv., bgs., c.l., f.o.b. producers' plants in South..ton.30.20 - —
l.c.l., same basis.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07

Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works..100 lbs. 2.85 - 3.85
l.c.l., works.....100 lbs. 3.10 - 4.10
tank, works.....100 lbs. 2.25 - 3.25
powdered, 65% tannin, bgs., c.l., works..100 lbs. 6.50 - 9.10
l.c.l., works.....100 lbs. 7.25 - 9.85

Chillies (see Pepper, red).

China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.16.00 - —
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silkbolt, 99½%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works..ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse..ton.41.00 - —

Chloral hydrate, jars.....lb. .93 - .98
dms.....lb. .90 - .95

Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —

Chlorine,[2,5,6] liquid, cyls., c.l..lb. .05½- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —

Chlorine, liquid, tanks, single units, works, frt. equald.... 100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald..100 lbs. 2.50 - —
1, wks., frt. equald..100 lbs. 3.00 - —

Chloroform, tech., dms.....lb. .20 - .23

USP, dms.....lb. .30 - .33

Chloropicrin, com'l, 180-lb. cyls., works, frt. alld..lb. .80 - —
100-lb. cyls., same basis....lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —

Choline chloride, fib. dms.....lb. 3.00 - 3.10

Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10

Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —

Cake, bulk, c.l., works.....ton.16.00 - —

Ore,[1] residue, paper bgs., c.l., works..ton.15.00 - —

Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).

Chrysarobin, bots.....lb. 6.02 - 6.09

Cinchona bark,[6] red, quill, USP. 10 in., cs..lb. 1.20 Nom.

Cinchonidine,[6] small, cryst., cns. 100 ozs. .80 + .13½*

Sulphate, NF, cns., 100 ozs..oz. .89 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs..oz. .62 + .13½*
large cryst., cns., 100 ozs..oz. .66 + .13½*

Sulphate, NF, cns., 100 ozs..oz. .42 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. (Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, NF, heavy dms..lb. 3.70 - 3.80
standard, dms.....lb. 3.50 - 3.60

Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms.....lb. 2.50 - 3.90

Cinnamon,[1] Ceylon, 2, bls.....lb. .58 - .53½
No. 2, bls.....lb. .52 - .53
chips, bgs.....lb. .56 Nom.

Citral, bots., cns.....lb. 4.50 - 5.00

Citrine ointment, jars.....lb. .95 - 1.15

Citronellal, bots., dms.....lb. 2.75 - 3.25

Citronellol, bots., dms.....lb. 6.00 - 7.00

Cloves,[1] Madagascar, futures, bls., lb. .16½- .16¾
Zanzibar, futures, bgs.....lb. .17½- .18

Clover tops, red, bgs.....lb. .55 - .60

Coaltar,[6] coal-gas, crude, bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works....bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works..dm. 9.25 - —

Cobalt acetate,[6] bbls., kgs., dlvd. lb. .83¾- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —

Carbonate,[6] powd., bgs., works. lb. 1.58 - —
feed grade, 23% Co, kgs...lb. 1.85 - —

Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —

Cobalt hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co., kgs...lb. 2.25 - —

Linoleate, paste, 5%, dms....lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —

Naphthenate, 6% Co., 50-gal. dms..lb. .31 - —

Nitrate, feed grade, 20.4% Co., kgs..lb. 1.25 - —

Oleate, bbls.....lb. .44 Nom.

Oxide,[6] black, kgs.....lb. 1.84 - —

Phosphate, feed grade, 34% Co., kgs..lb. 1.75 - —

Resinate, precip., 7.5% Co., 100-lb. dms..lb. .38½- —
50-gal. dms..lb. .42 - .44

Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co., kgs...lb. 1.00 - —

Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.

Cobalt-ammonium sulphate, 14% Co., kgs..lb. .75 - —

Cocaine hydrochloride, 100-oz.lots, cns..oz. 9.75 - —

Cochineal, gray, bgs.....lb. .37 - .38
silver, Teneriffe, bgs.....lb. .38 - .39

Cocoa butter,[1] bulk, ship't pt..lb. .25 - —

Cocillana bark, bgs.....lb. .42 - .43

Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —

Codliver oil (see Oil, codliver).

Cohosh root, black, bls.....lb. .18 - .20
blue, bls.....lb. .21 - .22

Colchicine, bots., cns.....oz. No stocks

Colchicum seed.....lb. No stocks

Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .23 - .29½
flexible, USP, dms.....lb. .21 - .22
cns. .....lb. .25 - .31

Colocynth pulp, bls.....lb. .55 - .60

Colombo root, bls.....lb. .19 - .20

Coltsfoot leaves, bgs.....lb. .90 - 1.00

Condurango bark, bgs.....lb. .12 - .15

Copaiba balsam, Peru, cns....lb. .47 - .49
S. A., USP, cns.....lb. .50 - .52

Copper acetate[6] cupric, bbls., works..lb. .25¼- —
smaller containers, wks..lb. .27 - —

Carbonate,[6] 52-54%, bbls.....lb. .19½- .20½

Chloride,[6] anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17

Cyanide,[6] tech., bbls.....lb. .34 - .38

Iodide, bots.....lb. 5.15 - 5.19

Metal,[1,3,6] electrolytic.....lb. .12 - .12½

Naphthenate, 6%-8% Cu., 50-gal. dms..lb. .15 - .17

Nitrate,[1] tech., cryst., bbls..lb. .19¼- .20¼

Oleate, precip., bbls.....lb. .22½- .28½

Oxide,[6] black, bbls., works..lb. .19 - .20
red, com'l, bbls.....lb. .21 - .24½

Oxychloride-sulphate,[6] bgs...lb. .17 - .20

Resinate, precip., 8.3% Cu., 125-lb. dms..lb. .15½- .16

Sulphate,[1,6] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
7,200 to 36,000 lbs...100 lbs. 5.15 - —
2,700 to 7,200 lbs....100 lbs. 5.25 - —
700 to 2,700 lbs.....100 lbs. 5.50 - —
monohydrated, bgs., in dms, 36,000-lb. lots, dlvd..100 lbs.10.20 - —
l.c.l., same basis...100 lbs.10.95 - —

Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., 25 bgs.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —

Copra, Coast, ship't.....lb. No prices

Coriander[1] seed, Argentine, futures, bgs..lb. .12½- .13
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. .18¼ Nom.

SPOT DELIVERIES

INDIAN MAGNESITE

ALUMINUM OXIDE
CREAM OF TARTAR USP
LACTIC ACID 85% USP
MAGNESIUM OXIDE HEAVY CALCINED
DICALCIUM PHOSPHATE PURE FOOD
MENTHOL TECHNICAL

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Cornsilk, bls.....lb. .24 - .25
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd..100 lbs. 3.905 - —
slabs, bbls., c.l.....100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.221 - —
43°, bbls., c.l.....100 lbs. 4.271 - —
Corrosive sublimate,[3] cryst., dms., 50 lbs. or more..lb. 2.16 - —
gran., powd., dms., 50 lbs. or more..lb. 2.01 - —
Cottonroot bark, bls.....lb. .17 - .18
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.00 - —
Meal,[1] 41% protein, Memphis, c.l..ton.45.00 -49.75
Coumarin,[1] cns., makers, primary distrib., 5 lbs. or more..lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .75 - .80
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .57½- —
smaller lots, bbls.....lb. .58 - —
kgs.....lb. .58½- —
Creosote carbonate, bots., cbys., lb. 2.10 - 2.39
Coaltar, oil,[2] crude, tanks, works..gal. .15½- —
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
solution, tanks, works.....gal. .141 - —
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[2,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., works, freight equald..lb. .10¾- .11¾
l.c.l., same basis.....lb. .11¾- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —

Cryolite, nat.,[4] bgs., bbls., c.l., 100 lbs. 9.50 - —
smaller lots.....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss.R..lb. .08½- —
smaller lots, works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .25 - .26
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cutch, bgs.....lb. No stocks
Cyanamide,[6] fertilizer mixing grade, guaranteed 21% N., pulv., bgs., Niagara Falls, Ont., contracts..unit-ton. 1.52½- —
20.6% N., gran., bulk, same basis..unit-ton. 1.62½- —
Cyclohexane, 98-100%, works..lb. .14 - .16
tech., dms., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
tanks, frt. alld. E.....lb. .09½- —
Cyclohexane prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.
Cyclohexanol, 98-100%, works.lb. .21 - .23
Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - —
l.c.l., frt. alld. E.....lb. .30½- —
tanks, frt. alld. E.....lb. .29 - —
Cyclohexanone prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

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Dandelion root, bls.....lb. .37 - .40
Lecanol,[6] normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .42 - .48
Defluorinated phosphate,[1] paper bgs., works..ton.34.25 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls...lb. .26 - .29
over 2% ffa, bbls.....lb. .25 - .27
Damiana leaves, bls.....lb. .14 - .15
Derris root (same as Cube root).
Dextrin, British gum, bgs., c.l., 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chciago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 6.00 - 7.00
Diamyl ether (see Amyl ether).
Diamyl phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works..lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic Coast.. lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
Diatomaceous, dom., nat., bgs., c.l., Pacific Coast..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic Coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic Coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic Coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2580- .2900
7-gal. cns., same basis..lb. .2780- .3100
dms., c.l., same basis....lb. .2030- .2650
l.c.l., same basis.....lb. .1980- .2500
tanks, same basis.....lb. .1930- .2250
Sebacetate, dms., works.....lb. .51 - .58
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .61 - —
l.c.l., works.....lb. .64 - —
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equaled with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms..lb. .25 - —
refd., 90%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd.....lb. .30½- —
l.c.l., dlvd.....lb. .31 - —
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l. .....lb. .2075- .2170
tanks .....lb. .1925- .2050
Sulphate, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylamine, dms., c.l., works.lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
tanks, same basis.....lb. .13½- —
Monobutylether, dms., c.l., wks., lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether,[6] dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. .60 - .65
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, cleaned, bgs.....lb. No stocks
dewhiskered, bgs.....lb. .13½- .14
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .1675- —
l.c.l., dlvd.....lb. .1925- —
tanks, dlvd.....lb. .1775- —
Dimethylamine, dms., c.l.....lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l. .....lb. .24 - —
Dimethylethyl carbinol (see carbinol).
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin,[6] dms., ton lots, dlvd..lb. .44 - —
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld...lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1,6] dest. dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
single dist., dms., dlvd. E..gal. .56 - .58
tanks, dlvd. E.....gal. .52 - —
Diphenyl,[6] bbls., c.l., works...lb. .16 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms. .....lb. .43 - .45
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons.lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[6] according to tanning content, bgs..ton.64.00 -68.00
Doggrass root, dom., cut, NF, bls..lb. .30 - .35
imp., bls.....lb. .52 - .55
Dogwood bark, Jamaica, bls..lb. .08 - .10
Dover's powder, USP, cns....lb. 2.75 Nom.
Dragon's blood, reeds, cs.....lb. .85 - .90
Dyes, coaltar (certified colors for foods, drugs and cosmetics)—
Blue, FD&C blue, No. 1, cns.lb.13.50 - —
FD&C blue, No. 1, cns....lb.13.50 - —
Green, FD&C green, No. 1, cns, lb.13.50 - —
FD&C green, No. 2, cns...lb.17.50 - —
FD&C green, No. 3, cns...lb.27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C black, No. 1, cns., lb. 8.35 - —
Blue, D&C blue, No. 4, cns..lb.12.35 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
Red, D&C red, No. 8, cns...lb. 2.85 - —
D&C red, No. 17, cns.....lb. 8.35 - —
D&C red, No. 18, cns.....lb.15.35 - —
D&C red, No. 19, cns.....lb.15.85 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns...lb. 8.35 - —
D&C yellow, No. 11, cns...lb.10.35 - —
Dyes, coaltar (certified colors for external use, drugs and cosmetics)—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns., lb.10.35 - —
Ext. D&C red, No. 3, cns..lb.21.85 - —
Ext. D&C red, No. 8, cns..lb. 7.85 - —
Ext. D&C red, No. 10, cns.lb.12.85 - —
Ext. D&C red, No. 13, cns.lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1 cns..lb. 8.35 - —

CALCO offers you uniform quality in bulk pharmaceuticals

If you're looking for dependable bulk pharmaceuticals . . . pharmaceuticals of standard quality that never varies . . . we suggest you turn to CALCO.

CALCO'S large-capacity plants not only bring you this standard quality, but they provide you a volume supply to take complete care of your present and future needs.

And, as an assurance of this quality . . . and its uniformity . . . you should know this:—

Night and day, without ceasing, a rigid and unremitting inspection system watches over CALCO quality . . . keeps it ever to required standards . . . through every step from laboratory through to big-scale output.

Check over the fine CALCO bulk pharmaceuticals listed on this page. Then let CALCO know your requirements promptly.

- Precise and complete analytical control.
- Technical bulletins available.
- A technical service ready to assist in application problems.

CALCO'S Bulk Pharmaceuticals

SULFADIAZINE U.S.P.
(and Sodium Salt)
. . . the Sulfa drug of choice

Sulfamerazine (and Sodium Salt)

Sulfathiazole U.S.P. (and Sodium Salt) . . . . available in powder or 30/80 mesh and micro crystals.

Sulfapyridine U.S.P. (and Sodium Salt)

Sulfanilamide U.S.P. . . . available in powder or 30/80 mesh crystals

Aminoacetic Acid U.S.P.

Calcium Pantothenate

Choline Chloride

Choline Dihydrogen Citrate

Cinchophen N.F. (and Sodium Salt)

Neocinchophen U.S.P.

Glutamic Acid Hydrochloride

Mandelic Acid U.S.P. (and Calcium Salt)

Menadione U.S.P.

Methylene Blue U.S.P. (Powder or Crystals)

Nicotinamide U.S.P.

Saligenin

Phenothiazine N.F. (for Veterinary Use)

Certified Colors for Pharmaceutical and Cosmetic Use

ARMY E NAVY

Pharmaceutical Department
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK Calco NEW JERSEY

FORMATIONS FOR VICTORY

Official U. S. Army Air Corps Photo

LOOK at a perfect formation of fighter planes in the sky... and you'll see the significance of a "formation" of drums on a beach head. Inside those drums is the fuel for victory in the air. And to guard that fuel — to keep it safe from seepage, dust and contamination — is the war-time job of Tri-Sure Closures.

The critical needs of war have proved repeatedly what every user of drums should know: if Tri-Sure Closures are on a drumhead, every drop inside that drum is safe. The reason is that Tri-Sure Closures seal a drum *hermetically* with a *seal*, *plug* and *flange* that no water or impurities can pass.

This is Tri-Sure's famous *triple protection* that enables drums to be stored in the open for months, or shipped thousands of miles, without leakage, seepage or loss. And that is the kind of protection that *every* drum in *every* shipment should have.

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—

36	Chrome yellow, 2G	lb.	.65	- .70
40	Chrome yellow R	lb.	.50	- 1.00
53	Victoria violet	lb.	.80	- 1.00
165	Lake red C	lb.	.70	- .80
170	Fast red A[6]	lb.	.56	- .60
180	Fast red VR	lb.	1.50	- 1.60
189	Lake red R, paste	lb.	.85	- .90
189	Lake red R, powd	lb.	3.00	- 3.10
202	Chrome blue black U	lb.	.35	- .42
204	Chrome black A	lb.	.42	- .45
208	Fast red blue R	lb.	.75	- 2.00
216	Chrome red B	lb.	1.75	- 2.00
262	Cloth red 2B	lb.	.60	- .80
289	Fast cyanin 5R	lb.	.90	- 1.00
299	Chrome black F	lb.	.85	- .88
304	Paper yellow	lb.	.83	- .90
307	Fast cyanin black B	lb.	.80	- .85
326	Direct fast scarlet	lb.	2.00	- 2.25
365	Chyrophenin G	lb.	.58	- .70
382	Direct scarlet B	lb.	1.15	- 1.20
387	Direct violet B	lb.	1.00	- 1.30
394	Direct violet N	lb.	.80	- .85
401	Developed black BHN	lb.	.45	- .60
406	Direct blue 2B	lb.	.66	- .70
415	Direct orange B	lb.	.60	- .70
419	Direct fast red F	lb.	.70	- .73
420	Direct brown M	lb.	.55	- .57
448	Benzo purpurin 4B	lb.	.65	- .68
495	Benzo purpurin 10B	lb.	.40	- .50
502	Direct azcrin G	lb.	.75	- .80
512	Direct blue RD	lb.	.80	- 1.00
518	Direct pure blue 6B	lb.	1.20	- 1.30
520	Direct pure blue	lb.	.50	- 1.00
529	Direct fast black FF	lb.	.55	- 1.00
581	Direct black EW	lb.	.50	- .54
582	Direct black RX	lb.	.35	- .45
592	Direct green B	lb.	.50	- .55
594	Direct green G	lb.	.50	- .55
596	Direct brown 3GO	lb.	.85	- 1.00
620	Direct yellow R	lb.	1.25	- 1.50
698	Acid violet	lb.	1.00	- 3.00
812	Primulin	lb.	.70	- .73
814	Direct fast yellow	lb.	2.00	- 2.25
845	Nigrosin (water soluble)	lb.	.35	- .50
1177	Indigo, 20% paste	lb.	.15	- .18
	Benzo fast black L	lb.	.90	- 1.00
	Sulphur black	lb.	.20	- .25
	Sulphur blue	lb.	.45	- 1.00
	Sulphur brown	lb.	.25	- .50
	Sulphur maroon	lb.	.40	- —
	Sulphur tan	lb.	.30	- .50
	Sulphur olive	lb.	.25	- .54
	Sulphur yellow	lb.	.30	- .50
	Zambesi black	lb.	.75	- .80

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale):—

Black—				
865	Nigrosin derivatives	lb.	.36	- .44
Blue—				
7075	Alizarin astral base	lb.	15.00	- —
1078	Alizarin cyanin, green base	lb.	6.00	- —
Brown—				
	Brown	lb.	1.15	- —
Green—				
1078	Alizarin cyanin green	lb.	5.00	- —
	Green	lb.	.75	- —
Orange—				
24	Sudan I	lb.	.75	- —
	Red shade	lb.	.75	- —
Red—				
73	Sudan II	lb.	1.05	- —
258	Sudan IV	lb.	.85	- —
680	Oil violet	lb.	.50	- —
749	Rhodamine B (oil pink)	lb.	2.50	- —
1080	Anthraquinone,[6] violet base	lb.	6.00	- —
Yellow—				
15	Amidoazobenzene yellow	lb.	.90	- —
17	Amidoazotoluene yellow	lb.	.75	- —
61	Yellow OB	lb.	1.40	- 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black—				
246	Naphthol blue black S	lb.	.50	- —
729	Victoria blue B	lb.	1.85	- —
861	Indulin	lb.	.87	- —
873	Methylene gray	lb.	1.50	- —
909	New blue F	lb.	1.20	- —
922	Methylene blue	lb.	1.00	- —
1054	Alizarin saphirol B	lb.	1.90	- —
1180	Indigotin IA	lb.	.85	- —
Blue—				
714	Patent blue A	lb.	1.05	- 1.10
Brown—				
231	Bismarck brown G	lb.	.47	- .62
234	Resorcin brown Y	lb.	.65	- —
235	Resorcin dark brown R	lb.	.66	- —
332	Bismarck brown R	lb.	.47	- .62
793	Phosphin	lb.	4.65	- —
Green—				
5	Naphthol green B	lb.	1.00	- —
657	Malachite green	lb.	1.35	- —
662	Brilliant green	lb.	2.00	- —
666	Guinea green B	lb.	1.15	- —
737	Wool green S	lb.	.58	- —
924	Methylene green B	lb.	1.35	- —
1078	Alizarin cyanin green	lb.	2.00	- —
Orange—				
10	Chrysoidin G	lb.	.44	- —
21	Chrysoidin R	lb.	.41	- —
27	Orange G	lb.	.50	- —
31	Amidonaphthol red G	lb.	.42	- —
37	Amidonaphthol red 6B	lb.	.68	- —
151	Orange Y	lb.	.31	- .33
161	Orange R	lb.	.34	- —
Red—				
79	Ponceau R	lb.	.48	- —
88	Fast red B	lb.	1.05	- —
176	Fast red A[6]	lb.	.54	- —
179	Azorubin	lb.	.60	- —
183	Crocein scarlet 3BX	lb.	.72	- .75
185	Cochineal red A	lb.	.60	- —
252	Brilliant crocein M	lb.	.68	- —
677	Fuchsin	lb.	2.10	- —
749	Rhodamine B	lb.	3.50	- —
752	Rhodamine 6B	lb.	4.50	- —
768	Eosin G	lb.	1.50	- —
841	Safranin	lb.	1.45	- —
Violet—				
680	Methyl violet B	lb.	.70	- .75
681	Crystal violet B	lb.	1.75	- —
695	Acid violet 4BN	lb.	.88	- —
Yellow—				
10	Naphthol yellow S	lb.	.88	- —
138	Metanil yellow	lb.	.56	- .58
636	Fast light yellow	lb.	1.25	- —
639	Xylene light yellow	lb.	1.15	- —
640	Tartrazin	lb.	.80	- —
655	Auramine	lb.	1.27	- —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black—				
864	Nigrosin	lb.	.36	- .44
Blue—				
860	Indulin	lb.	.60	- .70
Brown—				
331	Bismarck brown	lb.	1.50	- —
Green—				
637	Malachite green base	lb.	2.00	- —
Orange—				
20	Chrysoidin G	lb.	.95	- —
21	Chrysoidin R	lb.	.90	- —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Red—				
677	Fuchsin, magenta, base	lb.	7.25	- —
749	Rhodamine R	lb.	4.75	- —
Yellow—				
67	Amidoazotoluene yellow	lb.	.75	- —
653	Auramine	lb.	2.00	- —
800	Chinolin yellow SS	lb.	2.00	- —
Violet—				
680	Methyl violet base	lb.	.85	- —

Dyes, natural (see name of article).

E

Echinacea root, bls	lb.	.80	- .85
Egg[1] albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.12	- 1.15
imported	lb.	No stocks	
Elder flowers, bright, bls	lb.	.58	- .59
Elecampane root, bls	lb.	No stocks	
Elm bark, grinding, bls	lb.	No stocks	
powd., bbls., bxs	lb.	No stocks	
select, bndls	lb.	.55	- .60
Emetine[6] hydrochloride, bots.	oz.	21.00	-33.00
Ephedra, bls	lb.	.21	- .22
Ephedrine, natural, USP, anhydrous, bots.	oz.	1.15	- 1.65
Hydrochloride or sulphate, tins.	oz.	.95	- 1.45
synthetic, USP, anhyd., bots., 100 ozs.	oz.	.61	- —
Hydrochloride, tins, 100 ozs. or more	oz.	.50	- —
Hydrous, bots., 100-oz. lots.	oz.	.58	- —
Sulphate, cryst., tins, 100 ozs. or more	oz.	.48	- —
Epinephrine, synth., USP, bots.	gram.	.75	- —
Epsom salt, tech., bgs.	100 lbs.	1.80	- —
bbls.	100 lbs.	1.90	- —
USP, cryst., bgs., c.l.	100 lbs.	2.00	- —
l.c.l., 5,000 lbs., 1 withdrawal.	100 lbs.	2.25	- —
smaller lots.	100 lbs.	2.50	- —
bbls., c.l.	100 lbs.	2.10	- —
l.c.l., 5,000 lbs., 1 withdrawal.	100 lbs.	2.35	- —
smaller lots.	100 lbs.	2.60	- —
kgs., c.l.	100 lbs.	2.35	- —
l.c.l., 5,000 lbs., 1 withdrawal.	100 lbs.	2.60	- —
smaller lots.	100 lbs.	2.85	- —
dried, bgs., l.c.l.	lb.	.08	- .09

Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans New York.

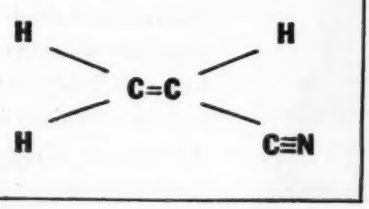
Ergot, USP, dms	lb.	1.30	- 1.40
Eserine, bots	oz.	No prices	
Sulphate, 1-gram vials	vial.	2.10	- —
Ether, acetic (see Ethyl acetate).			
Amyl (see Amyl ether).			
Butyl, l.c.l., dms., dlvd	lb.	.30	- —
Ethyl (see Ether, sulphuric).			
Nitrous, conc., bot., 100 lbs.	lb.	.93	- 1.10
Sulphuric, conc., dms	lb.	.11	- .16
USP anesthesia, hospitals, 1-lb. cns.	lb.	.60	- .61
Synthetic, dms., c.l., works.	lb.	.14½	- —
l.c.l., works	lb.	.15½	- —
tanks	lb.	.12½	- —
Ethyl acetate,[2,6] 85-90%, dms., c.l., frt. alld.	lb.	.1170-	.1275
l.c.l., frt. alld	lb.	.1220-	.1325
tanks, frt. alld	lb.	.1070-	.1175
95-98%, dms., c.l., frt. alld.	lb.	.1225-	.1335
l.c.l., frt. alld	lb.	.1275-	.1385
tanks, frt. alld	lb.	.1125-	.1235
NF, dms	lb.	.14½	- .15½
Ethyl acetoacetate, dms., c.l., works	lb.	.37½	- —
l.c.l., frt. alld	lb.	.38	- —
Benzoate, bots	lb.	.90	- 1.00
Bromide, tech., dms	lb.	.50	- .55
Carbamate, dms., dlvd. E	lb.	.58	- —
Chloride, tech., dms	lb.	.18	- .20
USP, bbls., cyl	lb.	.20	- .22
Cinnamate, cns	lb.	3.25	- 3.85
Formate, dms., f.o.b. Agnue, Calif.	lb.	.26	- .32
Iodide, bots	lb.	3.50	- 3.60
Lactate, dms., works	lb.	.33½	- .39½
Myristate, dms., works	lb.	.55	- —
Oenanthate, dms	lb.	1.50	- 1.75
Oleate, dms., l.c.l., works	lb.	.47	- —
Oxalate, dms., frt. alld	lb.	.33	- —
Silicate, l.c.l., dms., works.	lb.	.77	- —
Ethylcellulose,[6] standard, pkgs., 5,000 lbs. or more, works.	lb.	.50	- —
smaller lots, same basis	lb.	.52	- .60
Ethyldiethanolamine, dms., l.c.l., works.	lb.	.80	- —
Ethylene dichloride,[6] dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0842-	—
West of Rockies, same basis.	lb.	.0891-	—
l.c.l., works, E. of Rockies, same basis.	lb.	.0891-	—
West of Rockies, same basis.	lb.	.0941-	—
tanks, E. of Rockies, same basis.	lb.	.0743-	—
West of Rockies, same basis.	lb.	.0792-	—
Trichloride (see Trichloroethane).			
Ethyleneglycol,[2,6] dms., c.l., frt. alld. in E.	lb.	.10	- —
l.c.l., same basis	lb.	.11	- —
tanks, same basis	lb.	.09	- —
Monobutylether,[6] dms., c.l., works.	lb.	.17½	- —
l.c.l., works	lb.	.18½	- —
tanks, works	lb.	.16½	- —

LIFE On The

ACRYLONITRILE...

A Reactive Organic Intermediate

ACRYLONITRILE



AERO* Brand Acrylonitrile, manufactured by Cyanamid o a large scale has until recently been limited, by militar requirements, to use in the manufacture of certain types synthetic rubber, co-polymers of butadiene and acrylonitril Acrylonitrile is now available to research chemists and manufacturers for experimental purposes for other uses.

AERO Brand Acrylonitrile is a stable, colorless, mobi liquid. Because of its double bond, acrylonitrile shows remarkable additive power to a wide variety of substances such ammonia, halogens, halogen halides, alcohols, etc. In additio to the organic chemist the presence of a nitrile radicle sugges the use of this material as a very reactive organic intermediat

Acrylonitrile derivatives have shown promise in a variet of fields including the production of pharmaceuticals, surfa active agents, dyestuff intermediates, synthetic resins, an other products. Write for samples and quotations to Organ Chemicals Department.

PHYSICAL PROPERTIES**

Molecular weight	53.03
Freezing point	—83° to —84°C.
Boiling point	77.3°C. at 760 mm.
Density	0.8004 g./cc. at 25°C. 0.8060 g./cc. at 20°C.
Refractive index	N^{25}_{D} 1.3884; N^{20}_{D} 1.3911
Specific heat	0.50 ± 0.03 cal./g
Dielectric constant	38 at 33.5 megacycles
Flash point	0°C. ± 2.5°C.
Fire point	0°C. ± 2.5°C.

***These properties were obtained using carefully purified acrylonitrile.*

SOLUBILITY**

Completely miscible at room temperature with acetone, ether, methanol, ethanol, ethyl acetate, carbon tetrachloride, benzene, toluene, petroleum ether, and some kerosenes. Acrylonitrile has the following mutual solubilities with water:

Temperature °C.	Water in Acrylonitrile (% by Weight)	Acrylonitrile in Water (% by Weight)
0	2.1	7.2
20	3.1	7.3
40	4.8	7.9

Ethyleneglycol monoethylether,[6] dms., c.l., wks..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., dms.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether,[6] d.m.s., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, d.m.s., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylidinanilin, dms.....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin,[1] cns., makers, primary distrib., 5 lbs. or more, lb. 5.25 - —
smaller lots.....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.75 - 3.00
Eucalyptus leaves, bls.....lb. .10 - .18
Eugenol, cns., dms.....lb. 2.65 - 3.25
Euphorbia, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, c.l., works..ton.14.00 -17.50
bgs., min. 2 tons.....ton.17.00 -20.50
glass, 20 mesh, bulk, c.l., works..ton. 9.75 -12.25
bgs., l.c.l., min. 2 tons..ton.12.75 -16.25
pottery, bulk, c.l., works...ton.17.00 -19.00
l.c.l., bgs., min. 2 tons..ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. No stocks
Indian, bgs.....lb. .16½ Nom.
Fenugreek seed, domestic, bgs.lb. .20 - .20½
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Ferric sulphate, anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., same basis.....ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- —
smaller lots, works.....lb. 15 - —
water white, cs., 50 lbs. or over, works..lb. .14½- —
smaller lots, works.....lb. .17 - —
Fir, balsam, Canada, cns....gal.17.50 -17.75
Oregon, bbls.....gal. 2.35 - 2.50
Fishberries, bgs.....lb. .23 - .24
Fishoils (see Oil, fishliver).
Fishmeal,[1] grd., 60% protein, bgs., E. works..ton.72.50 - —
65% protein, same basis..ton.78.50 - —
Fishscrap, dried, 60% protein, bulk, East Coast..ton.66.50 - —
Flake white, bbls.....lb. .09 - —
kegs.....lb. .11 - —
Fleaseed, French type, black, bgs..lb. .62 - .64
Indian, blonde, bgs.....lb. .11½- .14
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk c.l., mines, net ton.37.00 - —
washed gravel, 70% or more CaF_2, mines..net ton.33.00 - —
65%, mines.....net ton.32.00 - —
60%, mines.....net ton.31.00 - —
less than 60%, mines..net-ton.30.00 - —
Formaldehyde,[1,3,6] bbls., c.l., works..lb. .0520- —
l.c.l., works.....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works.....lb. .0510- —
tanks, works.....lb. .0320- —
tanktrucks, dlvd. N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .60 - .70
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines.....ton.12.50 - —
spent, bulk, Bayonne....ton. 3.00 - —
Chicago.....ton. 4.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural,[6] ref., dms., c.l., works, lb. .15½- —
dms., cns., l.c.l., works..lb. .18 - .25½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., dms., cns.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, crude, dms., works.gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½
Fustic cryst., No. 1, bbls....lb. .32 - —
No. 2, bbls.....lb. .30 - —
No. 3, bbls.....lb. .28 - —
extract, No. 1, bbls.....lb. .16 - —
No. 2, bbls.....lb. .15 - —
No. 3, bbls.....lb. .12½- —

G

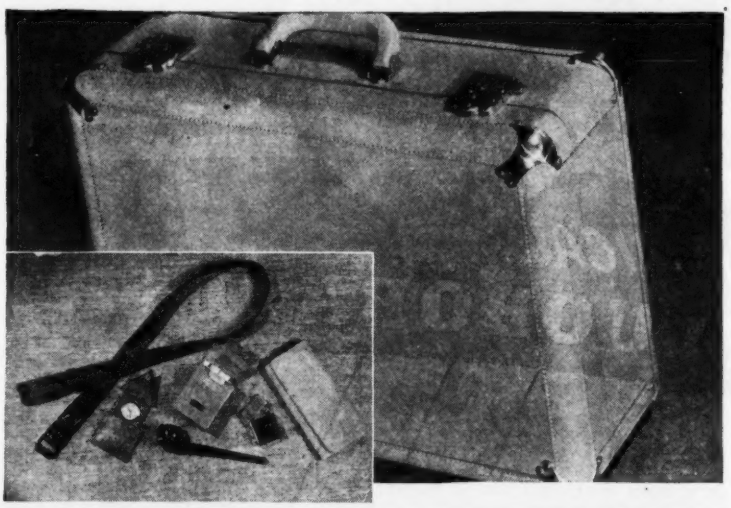
G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .24 - .25
Gambier, cube, Singapore, cs., lb. No stocks
extract, bbls.....lb. No stocks
Gasoline[1] at refinery, ex tax:—
Arkansas, US motor, 70-74 octane, tanks..gal. .05⅞- —
Bayonne, 70-74 oct., tanks... gal. .09075- —
Gulf Coast, US motor, 70-74 octane, tanks..gal. .05¾- .06½
Group 3, 70-74 octane, tanks, gal. .06⅛- .06⅜
natural, 26-70, tanks....gal. .04¾- .05
Gasoline, at refinery, ex tax, Oklahoma-Texas US motor, 70-74 octane, tanks..gal. .05⅞- .06
Pennsylvania, western, US motor, 70-74 octane, leaded, tanks..gal. .07¾- .0895
Gelatin, silver, label, ctns., dlvd., lb. .90 - .97
export, cases.....lb. 1.00 - 1
Silver gelatin prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsemium, root, bls.....lb. .19 - .20
Gentian, root, bls.....lb. .41 - .42
grd., bbls., bxs.....lb. .46 - .47
powd., bbls., bxs.....lb. .47 - .48
Geraniol, 92-96%, cns., dms....lb. No prices
Ginger,[1] African, No. 1, bls...lb. No stocks
Calicut, bgs.....lb. .26½ Nom.
Cochin, bleached, bgs.....lb. .27½- .28
unbleached, bgs.....lb. .24 - .24½
Jamaica, No. 1, bgs.....lb. .25 - .25½
No. 2, bgs.....lb. .24 - .24½
No. 3, bgs.....lb. .23½- .24
Ginseng root, wild, South, cs..lb. 8.00 - 9.00
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., c.l., works, 100 lbs. 1.05 - 1.25
l.c.l., 5 tons up, works.... 100 lbs. 1.15 - 1.35
less than 5 tons, works, 100 lbs. 1.25 - 1.45
Glue, bone,[6] producers', calcium type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
30/58, bgs., c.l., same basis..lb. .15½- —
58/82, bgs., c.l., same basis..lb. .17 - —
82/108, bgs., c.l., same basis..lb. .18½- —
Producers' bone glue l.c.l. prices 1c. over c.l.
Hide, producers,[1,6] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25½
237-266, bgs., c.l., dlvd....lb. .19 - .26½
267-298, bgs., c.l., dlvd....lb. .20 - .27½
299-330, bgs., c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29½
363-394, bgs., c.l., dlvd....lb. .23 - .30½
395-427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
461-494, bgs., c.l., dlvd....lb. .26 - .33½
495-529, bgs., c.l., dlvd....lb. .27 - .34½
Hide glue l.c.l. prices 1c. over c.l.; bbls., ½c. over bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .11¼- —
soaplye, 80%, tanks.....lb. .10 - —
dynamite, dms., c.l.....lb. .14½- —
l.c.l.....lb. .15 - —
tanks.....lb. .14¼- —
high gravity, dms., c.l.....lb. .14½- —
l.c.l.....lb. .15 - —
tanks.....lb. .14¼- —
ref., USP, CP, 95%, dms., c.l., lb. .15½- —
l.c.l.....lb. .15¾- —
tanks.....lb. .15 - —
B.P., 98%, dms., c.l.....lb. .15¾- —
l.c.l.....lb. .16¼- —
tanks.....lb. .15½- —
yellow, distilled, dms., c.l...lb. .14⅝- —
l.c.l.....lb. .14⅞- —
tanks.....lb. .14½- —
Glycine, USP, bbls., tins.....lb. 1.25 - 1.30
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold of pleasure seed, bgs....lb. No stocks
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal, root, bls.....lb. 7.70 - 8.00
powd., bxs.....lb. 7.95 - 8.25
Grains of Paradise, bgs.....lb. .28 - .30
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., basis lb. .04½- —
70-75%, bgs., same basis lb. .05 - —
75-80%, bgs., same basis lb. .05½- —
80-85%, bgs., same basis lb. .06 - —
85-90%, bgs., same basis lb. .07 - —
90% and up, same basis..lb. .08 - —
Grease,[1,5] house, loose.....lb. .08¼- —
white, choice, loose.....lb. .08⅝- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works..lb. 3.75 - —
molybdic, same basis.....lb. 3.25 - —
Chrome,[1,6] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
11-15%, bbls., same basis.lb. .25 - —
20%, bbls., same basis...lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10½- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
70%, bbls., same basis....lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

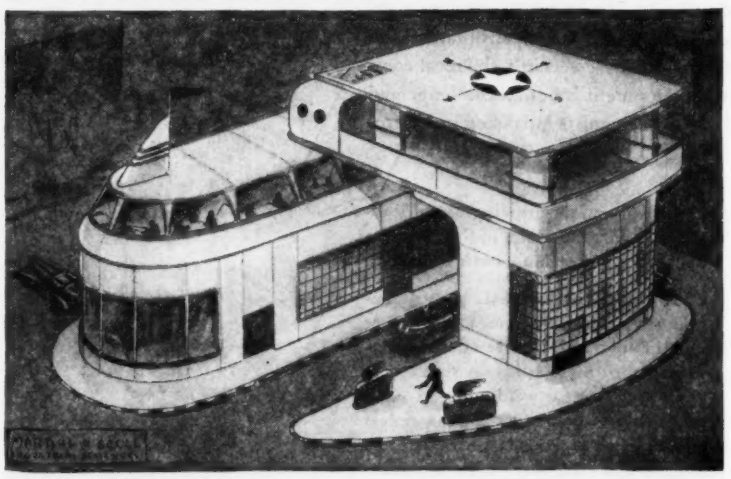
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chemical Newsfront

ght) **FOR EXPERT LEATHER TANNAGE...** everything m traveling bags to billfolds... Cyanamid's tting agent, BETASOL* OT, may be successly applied in every operation where wetting nts are used. Due to its high wetting power, is satisfactory and economical for coloring, in liquoring, for wetting back crusted stock, oiling with neutral oils, and in finishes. Cyanamid's ner tanning specialties include DEPILIN* Unhairing Agent, CUTRILIN* Bate, TANAK* Synthetic nning Material, and TWECOTAN* Vegetable nning Extracts.

low) **A MODERN AND PRACTICAL PRODUCT** in anamid's insulating MELMAC* are these *Devine* astic Food Dishes for use wherever food must kept hot or cold till served. Designed by vine Foods, Incorporated, Chicago, the dishes st when empty, stack when full, to conserve ace, facilitate handling. Sizes vary to meet d requirements.





(*Above*) **THIS HELICOPTER LANDING STATION** with complete facilities for servicing both planes and automobiles is one of tomorrow's designs where improved, durable, protective surface coatings will be required. Cyanamid resins will be ready to meet these postwar paint requirements, while filling vital wartime surface coating requirements today.

*Reg. U. S. Pat. Off.

American Cyanamid & Chemical Corporation

(A Unit of American Cyanamid Company)

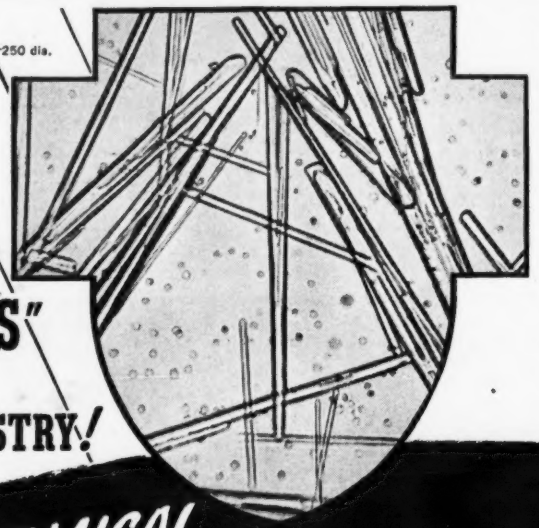
30 ROCKEFELLER PLAZA . NEW YORK 20, N. Y.

Green, chrome oxide,[6] pure, dms., works..lb. .24 - —
Malachite[1] thioflavin toner, tungstic, bbls., works..lb. 3.50 - —
molybdic, bbls., works..lb. 3.00 - —
Phthalocyanin,[1] green toner, bbls., works..lb. 4.00 - 5.00
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs.....lb. 2.00 - —
Verdigris (see V).
Green dyes (see Dyes, green).
Grindelia robusta, bls.....lb. .18 - .19
Guaiac resin, cs.....lb. .48 - .49
Wood, bls.....lb. .05 - .06
Guaiacol, carbonate, fib. dms.lb. 2.40 - 2.74
liquid, dms.....lb. 1.75 - 2.01
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
smaller lots.....lb. .58 - .73½
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber, sorts, bgs...lb. .12½- .13
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 3.00 - 3.50
Sumatra, cs.....lb. .52 - 1.00
Camphor (see C).
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse..lb. .55¾- —
31, bgs., same basis....lb. .21½- —
32, bgs., same basis....lb. .15⅞- —
33, bgs., same basis....lb. .14 - —
34, bgs., same basis....lb. .09¼- —
35, bgs., same basis....lb. .15⅞- —
36, bgs., same basis....lb. .12⅝- —
37, bgs., same basis....lb. .18½- —
38, bgs., same basis....lb. .12¼- —
Gum, copal, Congo, sorted, 39, bgs., same basis..lb. .10⅝- —
40, bgs., same basis....lb. .08 - —
41, bgs., same basis....lb. .11⅝- —
unsorted, No. 1, bgs., same basis..lb. .14⅜- —
2, bgs., c.l., same basis..lb. .12⅝- —
3, bgs., c.l., same basis..lb. .11¼- —
FAD, bgs., c.l., same basis..lb. .14⅞- —
Prices for l.c.l., ¼c. to ½c. higher than c.l.
East India,[1] batu, bold, scraped.
East India, bgs., c.l., same basis..lb. .10¼- —
unscraped, same basis.lb. .09 - —
chips, same basis....lb. .12 - —
dust, same basis....lb. .06½- —
nubs and chips, same basis..lb. .05¾- —
black, bold, scraped, bgs., ex dock or port, whse..lb. .12 - —
unscraped.....lb. .07½- —
nubs and chips, same basis..lb. .07¼- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..lb. .17⅜- —
chips, same basis....lb. .11½- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .13⅜- —
Singapore, Rasak, bold, bgs., same basis..lb. .23⅜- —
chips, same basis....lb. .11¾- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .13⅜- —
Macassar,[1] dust, bgs., c.l., same basis..lb. .07⅜- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¼- —
WS, bgs., same basis....lb. .11¾- —
Manila, Boeas,[1] hard, bold, amber, light, bskts, c.l., same basis..lb. .13½- —
dark, light, same basis.lb. .14½- —
white, same basis.....lb. .15½- —
Gum, copal, Manila, loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13¾- —
C, same basis.....lb. .13⅜- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08⅞- —
dust, same basis.....lb. .07⅜- —
MB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis, lb. .15½- —
dust, same basis.....lb. .07⅜- —
whse., entry point., c.l., lb. .08⅞- —
Philippine,[1] Manila, extra bold, pale, scraped, bskts., same basis..lb. .13 - —
sorts, same basis.....lb. .12¾- —
pale chips, bold, same basis, lb. .13 - —
nubs, WCB, same basis..lb. .13⅜- —
seeds, dust, same basis...lb. .08¾- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11⅞- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23⅜- —
mixed, same basis.....lb. .17⅞- —
chips, small, same basis..lb. .12⅜- —
cuttings of split, same basis, lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher
Dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .28⅜- —
A/E, same basis.....lb. .25⅝- —
Gum, dammar, Batavia, B, same basis..lb. .34⅜- —
C, same basis.....lb. .28⅝- —
D, same basis.....lb. .25⅝- —
E, same basis.....lb. .18¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13⅜- —
Singapore,[1] No. 1, cs., c.l., lb. .30⅝- —
2, bgs., same basis.....lb. .25 - —
No. 1, 3 bgs., same basis.lb. .12⅜- —
chips, cs., same basis....lb. .23⅛- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17⅜- —
Gum, dammar, l.c.l., prices, higher. ¼c. to ½c.
Elemi,[1] cns., c.l., ex dock or port whse. entry port....lb. .09½- .09¾
Ester, gum rosin type,[1] dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid.-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .11½- —
other points, dlvd.....lb. .12 - —
l.c.l., dlvd. Ill., Ind., etc., lb. .11¾- —
other points, dlvd.....lb. .12½- —
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. .25 - .40
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .15 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
80%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis, lb. .20¾- —
extra, same basis.....lb. .25½- —
dust, pale, same basis....lb. .20¾- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior, No. 1, same basis.. lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are higher. ¼c. to ½c.
Locust bean, powd., bbls....lb. .60 - .65
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .50 - .60
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .30
Opium (see O).
Red (see Gum, Yacca).
Rosin (see R).
Sandarac,[1] cs.....lb. .99½- —
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.50 - 5.00
No. 2, cs.....lb. 4.00 - 4.50
No. 3, cs.....lb. 2.75 - 3.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered.....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of paris, paper bags, c.l., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald..ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kansas, frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla..ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. No prices
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.55
Hematine, cryst., bbls., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
Hematine paste, bbls., No. 1..lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract,[1,6] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. .80 - .90
Henna leaves, bls.....lb. .17 - .18
powd., bbls., bxs.....lb. .22 - .23
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3. gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....lb. .29 - —
10 gals., Group 3....gal. .35 - —

Growing crystals of lead fluoborate—250 dia.



NEW CHEMICAL "TOOLS" FOR AMERICAN INDUSTRY!

GENERAL CHEMICAL METAL FLUOBORATES

METAL FLUOBORATES
Cadmium Fluoborate
Chromium Fluoborate
Copper Fluoborate
Ferrous (Iron) Fluoborate
Indium Fluoborate
Lead Fluoborate
Nickel Fluoborate
Silver Fluoborate
Stannous (Tin) Fluoborate
Zinc Fluoborate

Alkali Group
Ammonium Fluoborate
Potassium Fluoborate
Sodium Fluoborate

Many important products have been developed out of General Chemical's progressive research in fluorides. *Today*—its Metal Fluoborates command considerable attention as new chemical "tools" for electroplaters and metallurgists. *Tomorrow*—the unique properties of these versatile chemical compounds suggest many potential uses whose development is both a challenge and a promise of rich reward to research and industrial chemists interested in electrolytic and metallurgical processes.

ELECTROPLATING—Metal Fluoborates are supplied in a concentrated solution form. They require no time to dissolve and dilute quickly with water to the required plating strength! Laboratory tests and commercial applications indicate that the Metal Fluoborates have other outstanding advantages for electroplating, such as high anode and cathode efficiency, good conductivity, high concentration and ease of operation at room temperature.

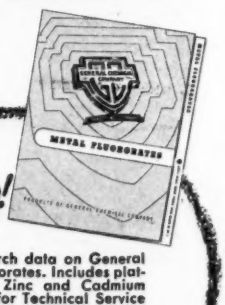
At present there is a widespread acceptance of lead fluoborate plating baths and an ever-growing use of lead-tin, tin, zinc, cadmium, indium, copper and other Metal Fluoborate solutions.

METALLURGY—Magnesium and aluminum casting has opened a field where alkali fluoborate salts are extremely important. All these salts may find acceptance as fluxes for welding and soldering such metals as silver, gold, stainless steel, nickel, etc. Their further use by metallurgists for heat treating, hardening and other processes can be expected with new developments in the light metal field.

Indium and Lead Fluoborate Give Airplane Bearings Longer-Wearing Surfaces.

Metal Fluoborates Efficient in Barrel Plating, too.

Alkali Fluoborates Important in Magnesium and Aluminum Casting.



JUST RELEASED!

Important new research data on General Chemical Metal Fluoborates. Includes plating with Lead, Tin, Zinc and Cadmium Fluoborate, etc. Ask for Technical Service Bulletin No. 1015-A.

Copies on request from: Nearest Technical Service Office or General Chemical Company, Fluorine Division, 40 Rector Street, New York 6, N. Y. No obligation!

GENERAL CHEMICAL COMPANY
40 RECTOR STREET, NEW YORK 6, N. Y.

Technical Service Offices: Atlanta • Baltimore • Boston Bridgeport (Conn.) • Buffalo • Charlotte (N. C.) • Chicago Cleveland • Denver • Detroit • Houston • Kalamazoo (Mich.) Kansas City • Milwaukee • Minneapolis • New York Philadelphia • Pittsburgh • Providence (R. I.) • St. Louis Utica (N. Y.) • *Pacific Coast Technical Service Offices:* Los Angeles • San Francisco • Seattle, Wenatchee, Yakima (Wash.)
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GENERAL CHEMICAL COMPANY ...FIRST IN FLUORIDES

Sure, miracles are around the corner, BUT—

When you get right down to it, the coming super-duper vacuum cleaners will still be used on the same, familiar rugs . . .

The "miracle" postwar cars will continue to take people to the same, old familiar haunts . . . the amazing, new home laundries will still do the family wash.

These products will do the same things for people they always did. BUT—with this important difference—they will do them better, more efficiently, more economically.

And that's a tip for your packaging business, too.

Will your products be packaged better? More efficiently? More economically?

Will your products be packaged more interestingly? Will people reach for your product in preference to the one next to it? How will your containers really stack up in the new markets?

Many customers come to us with problems such as these. They want to keep their established brands ahead of competition. Many want a larger share of business. And, after all, who doesn't?

Why don't you get the latest available information?

Our experience in developing and providing the Services with new, ingenious containers may prove beneficial to you just as it has to many manufacturers. After all, devising new, better ways of packaging things has been our business for 43 years now.

Consult our representative or write to us direct. It may lead you to some stimulating, postwar ideas and plans.

AMERICAN CAN COMPANY

230 PARK AVENUE CANCO NEW YORK 17, N. Y.

Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[2],[6] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots.....lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots.....lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3....gal. .55 - —
Hexanol, norm., dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammon., bulk, Chicago..unit. 4.50 - 4.75
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, bots.....oz.20.00 - —
Hydrochloride, bots.....oz.20.00 - —
Sulphate, bots.....oz.29.00 - —
Hydrastinine, 10 grs., bots....bot. 1.95 - —
Hydrastics (see Goldenseal).
Hydrofuramide, dms., fib., cns., works..lb. .30 - .40
Hydrogen peroxide,[6] USP, bbls. lb. .03¾- .04
100 vols., chys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 8.50 - 9.00
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots..oz.50.00 -70.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic, cryst., bbls., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .16 - —

I

Icthammol, N. F., bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.23.00 -24.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs., net.....lb. 1.28¼- —
resubl., 5-lb. bots., jars.....lb. 2.00 - 2.10
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ipecac[6] root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 80-90 mesh, bbls..lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd.....lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. lb. .03½- .04
kgs., works, frt. alld..lb. .04 - .04½
USP X, cryst., lump, bbls..lb. .07½- —
dms.....lb. .08½- —
solut., NF, cbys., works, frt. alld. or equald..lb. .06½- .07½
djns.....lb. .10 - —
Iron citrate, USP VIII, gran., dms..lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.32
syrup, bots., cbys.....lb. .39 - .53
Naphthenate,[6] 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Oxide, black (see Black, iron oxide).
Phosphate, soluble, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .17½- —
Sulphate, tech. (see Copperas and Ferric sulphate).
USP, cryst., bbls., dms....lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scales, dms.....lb. .49 - .52
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½
Iron-soda oxalate, bbls., dms..lb. .23½- .26½
Isobornyl acetate, cns., works.lb. .85 - .90
Isobutyl acetate,[6] dms., works.lb. .0860- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isoeugenol, cns., works.....lb. 4.05 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, frt. alld..lb. .11½- .12
tanks, E. of Rockies, frt. alld. lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l.....lb. .06½- —
tanks.....lb. .04½- —
Isopropylamine, dms., works..lb. .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .37 - .38
powd., bbls., bxs.....lb. .44 - .45
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs.....lb. .75 - .80

K

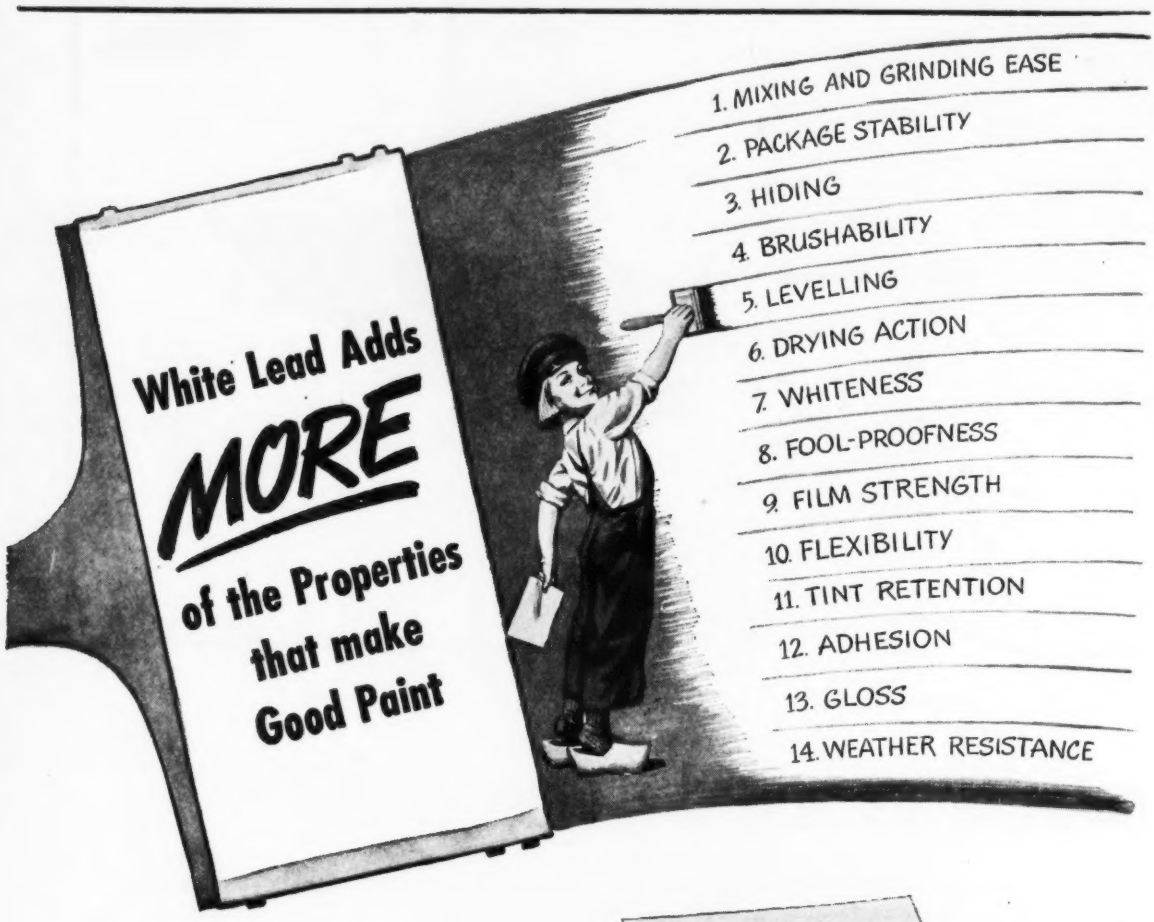
Kamala, tins.....lb. .40 - .45
Kaolin (see China clay).
Kava kava root, bls.....lb. .23 - .24
Kerosene, at refinery:—
Ark., 41-43 w.w., bulk, tanks. gal. .04½- .04¼
Bayonne, 41-43 w.w., tanks... gal. .071 - —
Gulf ports, 41-43 w.w., bulk. gal. .04¼- .04½
Okla.-Tex., 42-44 w.w., tanks. gal. .04⅝- .04¾
Penn., 45 w.w., tanks....gal. .065 - .0755
46 w.w., tanks.....gal. .0775- .0895
San Francisco, tanks.....gal. .11½- —
Kola nuts, bgs.....lb. .09 - .10

L

Lady slipper root, bls.....lb. 1.40 - 1.55
Lanolin (see Adeps lanae).
Lard,[1],[6] pure, ref., trcs.....lb. .1522½- —
prime steam, trcs.....lb. .1448- —
Larkspur seed, bgs.....lb. 3.25 - 3.50
Laurel berries, bls.....lb. .25 - .26
Laurel leaves, Cyprus, bls....lb. .25 - .26
Greek, bls.....lb. No stocks
Portuguese, bls.....lb. .17½- .19½
Turkish, bls.....lb. .30 - .31
Lavender flowers, medium, bls.lb. .80 - —
ordinary, bls.....lb. .45 - .50
select, bls.....lb. .90 - .95
Lead,[1],[6] (metal) (see paint market).
Acetate,[1] white, broken, bbls.lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1],[6] basic, powder, 3-lb. bgs. or larger, c.l..lb. .11½- .12
l.c.l.....lb. .12 - .12½
1-lb. ctns., c.l.....lb. .18½- .22½
l.c.l.....lb. .19 - .23
standard, powder, 3-lb. bgs. or larger, c.l..lb. .11 - .11½
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l.....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .22
l.c.l.....lb. .18½- .23½
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l.....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .07½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l., dlvd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, powd., bots...lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metallic paste, works.....lb. .19¾- .21½
Naphthenate, 24%-30% Pb, 50-gal. dms..lb. .14¼- .17½
Nitrate, bbls.....lb. .12½- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls..lb. .28 - —
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., other points.....lb. .09½- —
smaller lots, Ala., etc. lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
97% Pb_3O_4, bbls., c.l., dlvd. Ala., etc..lb. .09½- —
other points.....lb. .09¾- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10½- —
other points.....lb. .09¾- —
smaller lots, dlvd., Ala. lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10¼- —
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .09¾- —
other points.....lb. .09½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
smaller lots, dlvd., Ala., etc..lb. .10½- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
in oil, 95% min., kgs.....lb. .14 - —
Resinate, precip., 23.3% Pb., 160-lb. dms..lb. .17½- —
Silicate, bgs.....lb. .0730- .0780
Soyate, 26.15% Pb, 50-gal. dms. lb. .22¼- —
Stearate, bbls.....lb. .31 - .33
Sulphate (see Lead, white, basic sulphate).
Tallate, 10% Pb., 50-gal. dms., lb. .06¼- —



What comes off the end of your customer's brush depends on what you put into your product.

* * *

Run your eye over the list above and see if you don't agree that these features are *all* mighty important to you or your customers.

* * *

You get all 14 of these properties from one pigment – Basic Carbonate White Lead!

* * *

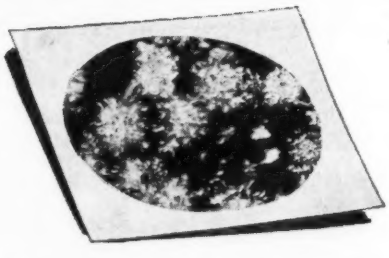
A number of the advantages White Lead imparts to paint come from its unique ability to form "lead soaps" – as explained at the right.

* * *

Look into the many ways White Lead helps make better house paint.

* * *

Our technical staff will be glad to advise how Dutch Boy Basic Carbonate White Leads fit into formulations. Their recommendations are backed up by 28 years of outdoor exposure tests – the longest continuous paint fence experience on record.



Lead Soaps Give These "Pluses"

Many of White Lead's advantages in paint-making result from the "lead soaps" formed when this pigment reacts with oil. As shown in the photomicrograph above, each fibrous lead soap structure has a nucleous, from which radiate multiple projections. These soap formations mechanically reinforce the paint film, giving it greater toughness and weather resistance.

They also allow movement all along their intermeshing projections. This action helps prevent the ruptures to which a hard unyielding film is subject—improves both elasticity and adhesion.

The tendency of White Lead to react with linseed oil also explains why this pigment wets easily and thus mixes and grinds well.

NATIONAL LEAD COMPANY – *New York, Buffalo, Chicago, Cincinnati, Cleveland, St. Louis, San Francisco; Boston (National-Boston Lead Co.); Pittsburgh (National Lead & Oil Co. of Penna.); Philadelphia (John T. Lewis & Bros. Co.)*

DUTCH BOY *Basic Carbonate* **WHITE LEADS**

Lead titanate, bgs., bbls., c.l., works, frt. alld.	lb.	.11 - —
l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¼ - —
Pac. Cst., ex whse.	lb.	.11½ - —
smaller lots, E. frt. alld.	lb.	.11½ - —
Pac. Cst., ex whse.	lb.	.11¾ - —
White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.08½ - —
dlvd. other points	lb.	.08¼ - —
l.c.l., dlvd. Ariz., etc.	lb.	.08¾ - —
other points	lb.	.08½ - —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc.	lb.	.07½ - —
other points	lb.	.07¼ - —
l.c.l., dlvd. Ariz., etc.	lb.	.08 - —
other points	lb.	.07½ - —
in oil, consumers, kgs.	lb.	.13¼ - .13¾
dealers, 100-lb. kg.	lb.	.11¼ - .11½
painters, 100-lb. kg.	lb.	.12¼ - .12½
Lecithin, edible, dms., c.l.	lb.	.25¼ - —
l.c.l.	lb.	.26½ - .45
in cocoa butter, dms., c.l.	lb.	.39½ - —
l.c.l.	lb.	.40¾ - .59
pure vegetable, bots., 100-lb. lots.	lb.	2.75 - —
tech., dms., c.l.	lb.	.25¼ - —
l.c.l.	lb.	.26½ - .45
Lemon peel, bls.	lb.	.30 - .35
Licorice extract, mass, cns.	lb.	.25 - .72
powd., bbls.	lb.	.60 - .88
root, natural, Indian, bls.	lb.	.12 - .14
powder, bbls.	lb.	.18 - .20
Russian, bls.	lb.	.12 - .13
Spanish, bls.	lb.	.12 - .13
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.—		
Adams, Mass.	ton.	8.00 - —
Annville, Pa.	ton.	7.50 - —
Bellefonte, Pa.	ton.	7.50 - —
Berkley, W. Va.	ton.	7.50 - —
Carey, Ohio.	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	8.50 - —
Crab Orchard, Tenn.	ton.	6.25 - —
Eagle Mountain, Va.	ton.	7.00 - —
Farnams, Mass.	ton.	8.00 - —
Gibsonburg, Ohio.	ton.	7.00 - —
Hannibal, Mo.	ton.	6.50 - —
Keystone, Ala.	ton.	6.25 - —
Knoxville, Tenn.	ton.	6.25 - —
Limedale, Ark.	ton.	7.00 - —
Longview, Ala.	ton.	6.25 - —
Manistique, Mich.	ton.	8.00 - —
Martinsburg, W. Va.	ton.	7.50 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	6.50 - —
Newala, Ala.	ton.	6.25 - —
Rincon, Cal.	ton.	13.00 - —
Riverton, Va.	ton.	7.00 - —
Ripplemead, Va.	ton.	7.00 - —
Rockland, Me.	ton.	8.00 - —
San Francisco, Cal.	ton.	13.00 - —
Scioto, Ohio.	ton.	6.50 - —
Springfield, Mo.	ton.	7.00 - —
Woodville, Ohio.	ton.	7.00 - —
York, Pa.	ton.	7.50 - —
Hydrated, paper bags, f.o.b.		
Adams, Mass.	ton.	9.00 - —
Annville, Pa.	ton.	9.00 - —
Bellefonte, Pa.	ton.	9.00 - —
Berkley, W. Va.	ton.	9.00 - —
Buffalo, N. Y.	ton.	10.00 - —
Carey, Ohio.	ton.	8.50 - —
Cedar Hollow, Pa.	ton.	10.00 - —
Crab Orchard, Tenn.	ton.	9.00 - —
Eagle Mountain, Va.	ton.	8.50 - —
Farnams, Mass.	ton.	9.00 - —
Gibsonburg, Ohio.	ton.	9.00 - —
Hannibal, Mo.	ton.	9.00 - —
Keystone, Ala.	ton.	9.00 - —
Knoxville, Tenn.	ton.	9.00 - —
Le Roy, Minn.	ton.	10.00 - —
Lime Crest, N. J.	ton.	8.50 - —
Limedale, Ark.	ton.	9.00 - —
Manistique, Mich.	ton.	9.50 - —
Marblehead, Ohio.	ton.	9.50 - —
Martinsburg, W. Va.	ton.	9.00 - —
Mitchell, Ind.	ton.	9.00 - —
Newala, Ala.	ton.	9.00 - —
Potoskey, Mich.	ton.	9.00 - —
Port Island, Mich.	ton.	9.00 - —
Rapid City, S. D.	ton.	12.00 - —
Ripplemead, Va.	ton.	9.00 - —
Rockland, Me.	ton.	9.00 - —
San Francisco, Cal.	ton.	16.00 - —
Springfield, Mo.	ton.	9.00 - —
Woodville, Ohio.	ton.	9.00 - —
York, Pa.	ton.	9.00 - —
Lime, spray, paper bgs., f.o.b.		
Adams, Mass.	ton.	10.00 - —
Annville, Pa.	ton.	9.50 - —
Bellefonte, Pa.	ton.	9.50 - —
Carey, Ohio.	ton.	11.00 - —
Farnams, Mass.	ton.	10.00 - —
Gibsonburg, Ohio.	ton.	11.00 - —
Lime Crest, N. J.	ton.	9.00 - —
Marblehead, Ohio.	ton.	11.00 - —
Scioto, Ohio.	ton.	10.00 - —
Woodville, Ohio.	ton.	11.00 - —
York, Pa.	ton.	9.50 - —
Lime salts (see Calcium).		
Lime-ammonia-nitrogen[6] 20.5% N. (See Ammonia, Nitrate, Limestone).		
Linalool, cns.	lb.	7.25 - 8.00
Linalyl acetate, cns.	lb.	3.60 - 3.75
Linden flowers with leaves, bls.	lb.	.90 - 1.00
Linseed meal,[1] 34%, bulk, c.l.	ton.	45.00 - —
32%, bulk, c.l.	ton.	43.00 - —
Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash.	lb.	.08¼ - —
other points	lb.	.08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.08¾ - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼ - —
Colo., Mont., N. Mex., Wyo.	lb.	.09 - —
Other points	lb.	.08½ - —
smaller lots, dlvd. Ala., etc.	lb.	.09¼ - —
Ariz., etc.	lb.	.09¾ - —
Colo., etc.	lb.	.09½ - —
Other points	lb.	.09 - —
Rockland, Me.	ton.	10.00 - —
Lithium bromide, bbls., 100 lbs., works, frt. equald.	lb.	1.90 - —
smaller lots, works.	lb.	1.92 - 1.95
Carbonate, NF, 250-lb. bbls., kgs.	lb.	1.25 - 1.30
Chloride, jars.	lb.	1.65 - 1.70
Citrate, bbls., dms., kgs.	lb.	1.40 - 1.45
Fluoride, bbls.	lb.	2.45 - 2.60
Hydroxide, jars.	lb.	1.25 - 1.40
Iodide, 5-lb. bots.	lb.	5.20 - —
25-lb. jars.	lb.	5.05 - —
Stearate, fib. dms., 3 tons, works.	lb.	.50 - —
Lithopone,[1] ordinary, bgs. (20 tons).	lb.	.04¼ - —
smaller lots.	lb.	.04½ - —
Lithopone, ord., bbls., c.l. (20 tons).	lb.	.04½ - —
smaller lots.	lb.	.04¾ - —
titanate,[6] (high-strength), bgs., c.l.	lb.	.0560 - —
smaller lots.	lb.	.0585 - —
bbls., c.l.	lb.	.0585 - —
smaller lots.	lb.	.0610 - —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.		
Liverwort leaves, bls.	lb.	.85 - .90
Lobelia herb, bls.	lb.	1.00 - 1.05
Lobeline sulphate, bots., wks.	oz.	25.50 -38.00
Logwood, cryst., No. 1, bbls.	lb.	.28 - —
No. 2, bbls.	lb.	.26 - —
extract, liquid, No. 1, bbls.	lb.	.14 - —
No. 2, bbls.	lb.	.13 - —
No. 3, bbls.	lb.	.12½ - —
No. 4, bbls.	lb.	.10 - —
solid, No. 1, bxs.	lb.	.23½ - —
No. 2, bxs.	lb.	.21½ - —
Lovage (ligusticum actae folium) root, dom., bls.	lb.	1.20 - 1.50
Lupulin, NF, tins.	lb.	8.00 -10.00
Lycopodium, USP, cs.	lb.	2.75 - 3.00

M

Mace,[1] Amboyna, cs.	lb.	.77 Nom.
Banda, cs.	lb.	.98 Nom.
West Indian, bgs.	lb.	.62 - .63
broken, bgs.	lb.	.55 - .56
Madder, Dutch, bbls.	lb.	.24 - .30
Magnesia arsenate,[1,6] dms.	lb.	.153 - .18
Calcined, tech., USP, bbls., works.	lb.	.26 - —
Carbonate, tech., Zone 1, c.l., bgs.	lb.	.06¼ - —
bbls.	lb.	.07½ - —
kgs.	lb.	.08¾ - —
l.c.l., bgs.	lb.	.07¼ - —
bbls.	lb.	.08½ - —
kgs.	lb.	.09¾ - —
Zone 2, c.l., bgs.	lb.	.06¼ - —
Magnesia carbonate, tech., zone 2, c.l., bbls.	lb.	.07½ - —
kgs.	lb.	.08¾ - —
l.c.l., bgs.	lb.	.07 - —
bbls.	lb.	.08¼ - —
kgs.	lb.	.09½ - —
USP, Zone 1, c.l., bgs.	lb.	.08 - —
bbls.	lb.	.08½ - —
kgs.	lb.	.09¾ - —
l.c.l., bgs.	lb.	.09 - —
bbls.	lb.	.09½ - —
kgs.	lb.	.10¾ - —
Zone 2, c.l., bgs.	lb.	.06¼ - —
bbls.	lb.	.06½ - —
kgs.	lb.	.09¾ - —
l.c.l., bgs.	lb.	.08¼ - —
bbls.	lb.	.09¼ - —
kgs.	lb.	.10½ - —

Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld. Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., dlvd. storedoor.

Chloride, anhyd., bbls., dlvd.	lb.	.12¾ - —
flake, bbls., c.l., works.	ton.	32.00 - —
l.c.l., works.	ton.	39.00 -42.00
Fluoride, bbls.	lb.	.40 - .50
Hydroxide, med., bbls., dms., kgs.	lb.	.29 - .30
Hypophosphite, cns.	lb.	1.45 - —
Laurate, bbls.	lb.	.33 - .35
Oxide (see Magnesia, calcined).		
Peroxide, 15%, dms., works.	lb.	1.00 - 1.35
Phosphate, tribasic, USP, bbls.,	lb.	.60 - —
Silicate (see Talc).		
Silicofluoride, bbls.	lb.	.08 - .09
Stearate, bbls.	lb.	.31 - .32
Sulphate (see Epsom salt).		
Trisilicate, dms., 1,000-lb. contracts.	lb.	.37 - —
smaller lots, dms.	lb.	.42 - —
Magnesite, cal., powd., bags, f.o.b. mines, Calif.	ton.	58.75 - —
dead-burnt[1] bulk, c.l., f.o.b. Chewelah, Wash.	ton.	32.00 -32.00
Maleic anhydride,[6] dms., c.l.	lb.	.25 - —
l.c.l.	lb.	.26 - —
Malva flowers, black, bls.	lb.	No stocks
blue, bls.	lb.	No stocks
Leaves, bls.	lb.	.38 - .40
Manaca root, bls.	lb.	.23 - .24
Mandrake root, bls.	lb.	.23 - .25
Manganese acetate, dms.	lb.	.25½ - —
Arsenate,[6] bgs.	lb.	.12 - .12¼
Borate, tech., bbls.	lb.	.16 - .18
Carbonate, bbls.	lb.	.19 - —
Chloride, anhyd., bbls.	lb.	.15 - .18
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works.	ton.	74.00 - —
5-15 tons, works.	ton.	77.00 - —
smaller lots, works.	ton.	82.00 - —
Caucasian, 85-90%, bbls., c.l., works.	ton.	74.00 - —
l.c.l., 5 tons, works.	ton.	77.00 - —
smaller lots, works.	ton.	82.00 - —
burlap bgs., c.l., works,	ton.	71.75 - —
l.c.l., 5 tons, works.	ton.	74.75 - —
smaller lots, works.	ton.	79.75 - —
paper bgs., c.l., works.	ton.	70.00 - —
l.c.l., 5 tons, works.	ton.	73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots.	lb.	3.05 - —
100-lb. lots.	lb.	3.15 - —
cns., 25 lbs.	lb.	3.27 - —
Hydrate, bbls., dlvd.	lb.	.26 - —
Iodide, bots., 5 lbs.	lb.	5.70 - —
jars, 25 lbs.	lb.	5.55 - —
Linoleate, liquid, 4%, dms.	lb.	.20 - —
solid, precip., 3.2%, bbls.	lb.	.22 - —
Napthenate, 6% Mn, 50-gal. dms.	gal.	.16 - —
Resinate, fused, 3½%, bbls.	lb.	.99 - .10½
precip., dms.	lb.	.14½ - .15½
Soyate, 8.2% Me, 50-gal. dms.	lb.	.22 - —
Sulphate, anhyd., dms., works.	lb.	No stocks
feed grade, 77-80%, bgs.	lb.	.04 - .05
fertilizer, 65% $MnSO_4$, bgs., c.l., dlvd. East.	ton.	59.50 - —

It pays to be a Bemis Multiwall paper bag Customer

EVEN though direct government purchases have taken a considerable part of our multiwall paper bag production this year, Bemis customers have not suffered . . . they have been supplied on the basis of past purchases, even in the face of the labor shortage and no increase in facilities.

Naturally, the demand for Multiwalls has been greater than the supply. Much as we regret inability to fill all orders, we have felt a responsibility to take care of our regular customers first. Fortunately, we've been able to do that—and right on schedule. If it's humanly possible, we'll keep on maintaining this service.

War or peace, we want our customers to feel that it pays to be Bemis customers.

NORTH
WEST EAST
SOUTH

A major reason we've been able to supply our Multiwall customers is the size and flexibility of our production facilities.

Bemis Multiwall Plants at

PEORIA, ILL.
EAST PEPPERELL, MASS.
MOBILE, ALA.
SAN FRANCISCO, CALIF.
WILMINGTON, CALIF.
ST. HELENS, ORE.

These plants not only give us large production, but also quick accessibility to all parts of the country.

BEMIS BRO. BAG CO. Baltimore • Boston • Brooklyn Buffalo • Charlotte • Chicago Denver • Detroit • Houston • Indianapolis • Kansas City • Los Angeles • Louisville Memphis • Minneapolis • New Orleans • New York City • Norfolk • Oklahoma City • Omaha St. Louis • Salina • Salt Lake City • Seattle • Wichita

Manganese sulphate, fert., 65%, $MnSO_4$, bgs., l.c.l., same basis or f.o.b. Balto. and Cincinnati..ton.68.50 - —
industrial grade, 80%, $MnSO_4$, bgs..lb. .05 - .05¾
Tallate, 4% Mn, 50-gal. dms.lb. .09 - —
Mangrove bark, E. Afr., if and when available, bgs., based on freight $18, insurance $1 per ton. Any difference for buyers' account..ton.65.00 -68.00
Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Mid-west shipping points..ton.14.50 20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, Argentine, bls.....lb. .26 - .27
California, French type, bls., f.o.b. Pacific Coast..lb. .45 - .46
Chilean, bls.....lb. .22½ - .23
Matico leaves, bls.....lb. .22 - .29
Menadione, USP, bots....gram. .10 - —
Menthol, tech., synth., cns....lb. 5.00 - 6.00
USP,[1] natural, cns.....lb.13.25 -13.50
synth., cns.....lb.13.00 - —
racemic, cns.....lb. 8.60 - 9.15
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.23 - 1.34
50%, pails.....lb. 1.69 - 1.71
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] dms.....lb. 2.45 - 2.47
Chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 2.72 - —
Iodide,[2] red, NF, dms., kgs..lb. 4.38 - —
yellow, fib. dms., kgs.....lb. 4.48 - —
Nitrate ointment (see Citrine ointment).
Mercury oxide,[2] NF (see Red, precipitated).
tech. (see Red, mercury, oxide).
yellow, NF VI, fib. dms...lb. 3.07 - 3.09
red,[2] NF (see Red, precipitate).
tech. (see Yellow, mercury oxide).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.66 - 1.71
dms. .....lb. 1.59 - 1.61
Mesityl oxide, dms., c.l., dlvd..lb. .11½ - —
l.c.l., dlvd.....lb. .12 - —
tanks .....lb. .10½ - —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in. pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,3,5] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol are drums extra; outside drums included. Prices W. of Miss. R. 3c. higher.

Methanol, synthetic, dms. c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd...gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .51½ - —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in Zone 4 have the option of buying at the delivered Zone 4 price or at the Zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, dms., c.l., dlvd., lb. .0722- —
l.c.l., 10-dm. lots, dlvd...lb. .0847- —
single dms., dlvd.....lb. .0947- —
smaller cont., dlvd.....lb. .1447- —
hydrogenated, dms., c.l., dlvd., lb. .1122- —
l.c.l., 10-dm. lots, dlvd...lb. .1247- —
single dms., dlvd.....lb. .1347- —
smaller cont., dlvd.....lb. .1847- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½ - .12
W. of Miss.....lb. .11½ - .12
l.c.l., E. of Miss.....lb. .01 - .14
W. of Miss.....lb. .12 - .13½
Methyl acetate, c.p., 97-99%, tanks, E. of Miss.....lb. .09½ - —
W. of Miss.....lb. .10½ - —
tech., dms., c.l., E. of Miss., lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½ - .11
W. of Miss.....lb. .08½ - .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..gal. .29½ - —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —

Methyl acetone, nat., Group A, tanks, same basis..gal. .60 - —

Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis, gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .84½ - —

Natural methyl acetone quoted drums extra by Group B. Sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1.. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½ - —
Zone 4.....gal. .54½ - —
l.c.l., Zone 1.....gal. .54½ - —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½ - —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½ - —
Zone 3.....gal. .45½ - —
Zone 4.....gal. .45½ - —

Synthetic methyl acetone sales zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga. Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.35 - 2.65
Benzoate,[6] ctns.....lb. .55 - 1.00
Bromide, cns.....lb. .75 - .80
cyls. .....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
servicemen and consumers, lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

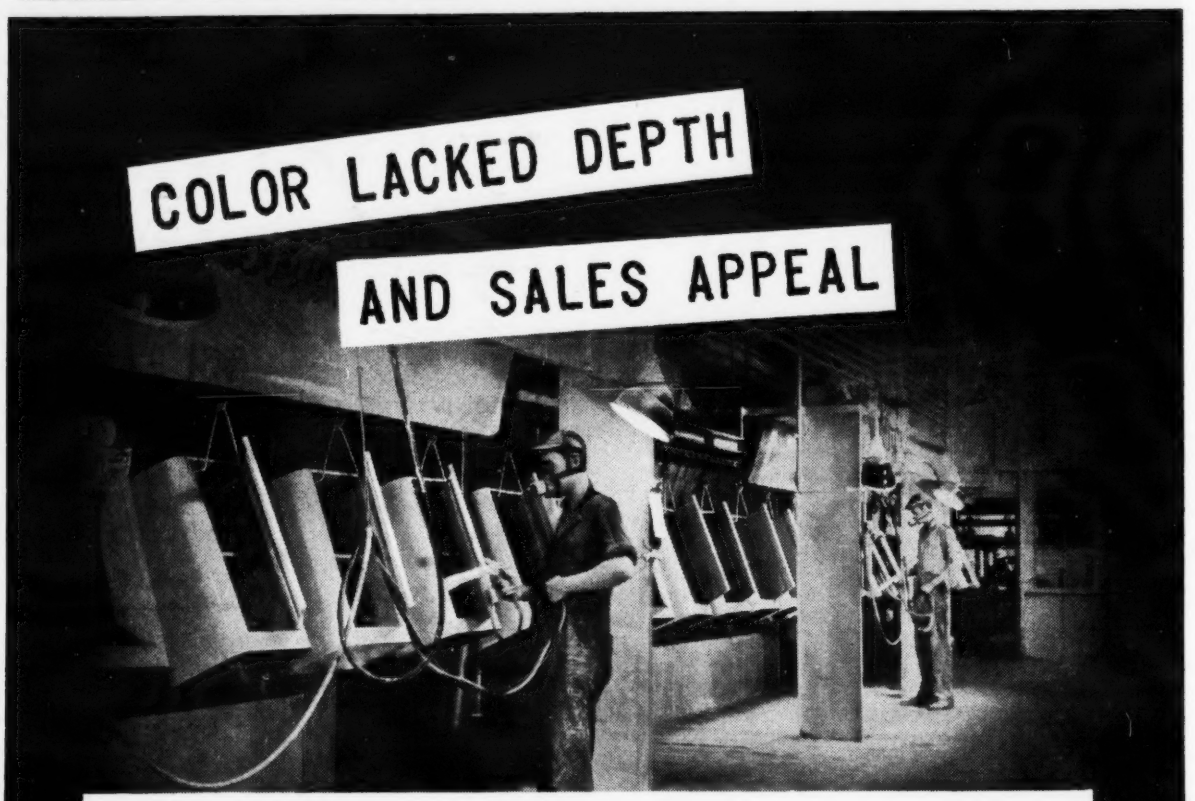
Cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., c.l., dlvd.....lb. No stocks
Iodide, bots.....lb. 4.00 - 4.15
tech., c.l., works.....lb. .23 - —
l.c.l., works.....lb. .23½ - .24½
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, dms., cns., works..lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld., lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs.100 lbs. 2.00 - 2.15
cns., $ lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½ - —
tanks, same basis.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½ - —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½ - —
Methylnaphthyl ketone, cryst., cns..lb. No stocks
Methylpentanediol, com'l, dms., l.c.l., works..lb. .20 - —
Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l. .....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80 mesh, bgs., c.l....ton.35.00 - —
l.c.l. .....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. .....ton.43.50 - —
wet-grd.,[1] biotite, c.l., bgs..lb. .04 - —
1,000 mesh, bgs., c.l.....lb. .03¾ - —
l.c.l. .....lb. .04¼ - —
white, 1,000 mesh, bgs., c.l.lb. .05¾ - —
l.c.l. .....lb. .06¼ - —
paint or lacq., c.l., bgs....lb. .04¾ - —
l.c.l. .....lb. .05¼ - —
rubber, c.l., bgs.....lb. .04½ - —
l.c.l. .....lb. .05 - —
wallpaper, bgs., c.l.....lb. .04¾ - —
l.c.l. .....lb. .05¼ - —

Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb. higher W. of Rockies.

Milk powder, skimmed,[1] roller, bulk, Zone A, bbls..lb. .12½ - —
Zone B.....lb. .12¾ - —
spray, bbls., bulk, Zone A..lb. .14½ - —
Zone B.....lb. .14¾ - —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I., and Vt.

whole, roller, bbls.....lb. .35 - —
spray, bbls.....lb. .36 - —
Sugar,[1] bbls., c.l., works....lb. .26 - —
l.c.l., works.....lb. .26¾ - .27¼



SUN SPIRITS...

Produced Stable Mixture . . . Deep, Attractive Color

A manufacturer of consumer products laid great importance on eye-appeal. His paint department was set up for dipping and spraying, and used one of the best-known, popular brands of solvents. An unstable mixture often resulted. Finished colors tended to be flat and lacking in depth.

A technical analysis of the process and the materials was made by a Sun engineer, who recommended the use of Sun Spirits. The high solvent-power for the resins involved, and the excellent wetting-out power, resulted in a fast, even distribution of the pigments.

Stable, solid colors resulted, and a fine, deep enamel finish, which had plenty of sales-appeal. This case is typical of the reasons why more than half the manufacturers of war-finishes in Sun's distributing area depend on Sun Spirits for quality and uniformity.

Sun engineers, with a wide variety of experience in every type of painting and metal-cleaning problem, are available to help in your plant. For further information write to . . .

SUN OIL COMPANY · Phila. 3, Pa.

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SUNOCO SUN INDUSTRIAL PRODUCTS

OILS FOR AMERICAN INDUSTRY

Mineral spirits (see Petroleum, mineral spirits)
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½ - —
Area 3, same basis....ton.26.00 - —
Area 4, same basis....ton.29.00 - —
Area 5, same basis....ton.34.00 - —

Note—Area No. 1, Fla., Ga., La., Tex.; Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monochlorobenzene, dms., c.l..lb. .05½- —
l.c.l. .....lb. .07 - .09
Monoethanolamine,[6] dms., c.l., frt. alld. in E..lb. .24½- —
l.c.l., dms., same basis....lb. .25½- —
tanks, same basis.....lb. .23½- —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monoethylaniliin, dms.....lb. .47 - —
Monomethyl para aminophenol sulphate. dms..lb. 2.40 - 2.90
Monomethylamine, dms.....lb. .65 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .12 - .13
Musk, nat., Tonquin, grains, bots. oz. No prices
synth., ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more. lb. 4.15 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more. lb. 1.40 - 2.05
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Mullein leaves, cns.....lb. .75 - —
Musk root, bls..... ..lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs., lb. .16 - .16½
Montana, yellow, bgs.....lb. .14¼- .14¾
Washington, yellow, bgs.....lb. .14¼- .14¾
Myrobalans,[6] J1, whole, bgs., frt. guar., insurance $1. Any difference for buyers' account..ton.60.00 -63.00
crushed, same basis.....ton.71.00 -75.00
J2, whole, bgs., same basis... ton.51.00 -54.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[3,6] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .027 - —
78°, bgs., c.l., same basis..lb. .0325- —
bbls., c.l., same basis...lb. .0335- —
bbls., wholesalers and jobbers, works..lb. .06 - —
tanks, same basis.....lb. .03 - —
50-lb. cs., same basis...lb. .06¼- —
1-lb. pkgs., same basis..lb. .08¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.
Neroline, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6,4] carbonate, bbls....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,5] black, bbls.....lb. .35 - .38
Salt,[6,5] bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., 50 lbs., to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide,[6] USP, dms.....kilo.13.25 -13.55
Nikethamide, bots., cbys.....lb.17.00 -18.00
Nitercake, bulk works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
5-7, 40-60 cps., same basis. lb. .27 -
Nitrocellulose, alcohol-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works. lb. .26 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —
5-7, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —
Nitrocellulose:—Denatured alcohol A used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., l.c.l., wks..lb. .25 - —
Nitrogen, solut.,[6] tanks...ton N.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va.
Nitrogenous process tankage,[1] bulk, works.....unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works, unit-ton. 2.60 + 4.40- 3.00 + .40
Nitromethane, dms., l.c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane [4], dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. .47 - .48
Chinese, bgs.....lb. .45 - .46
Nutmegs,[1] West Indian, No. 1, futures, bgs..lb. .34¼- .34¾
Nux vomica, bls.....lb. .08½- .09
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .33 - —
tanks, G.3.....gal. .13 - —
Octanol, normal,[6] tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, arti. (see Benzaldehyde).
bitter, F.P.A.....lb. 5.25 - 5.50
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.30 - 1.50
Angelica root, bots.....lb.125.00 -140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, Russian, cns...lb. 4.00 - 4.25
Apricot kernel, cns.....lb. .45 - .55
Avocado, cns., dms.....lb. 1.05 - 1.35
Babassu,[1,6] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.50 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 4.25
natural, Italian, coppers...lb. 8.25 - 8.50
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns...lb. 5.25 - 5.50
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 2.25 - 2.30
redistilled, USP X, cns....lb. 2.40 - 2.45
Calamus, cns.....lb.22.50 -25.00
Camphor, sassafrassy, cns...lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb.12.50 -14.00
rectified, cns.....lb.15.00 -17.50
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Oil, caraway, USP, cns.....lb.17.00 -20.00
Cardamom, bots.....lb.19.00 -21.00
Cassia, USP, cns.....lb.12.00 Nom.
Castor,[1] blown, dms., returnable, l.c..lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l.lb. .14 - —
cns. .....lb. .15¾- .17¾
dms., returnable, c.l....lb. .13¾- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .13 - —
dehyd., bodied, dms., c.l....lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l.....lb. .1690- —
tanks .....lb. .1650- —
No. 3, tech., bbls., c.l.....lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms., returnable, c.l....lb. .13½- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .12¾- —
sulphonated, 50% (48% fat), dms., c.l..lb. .09½- .09¾
l.c.l. .....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12¾- .13
80% (68% fat), dms., c.l..lb. .12¼- .12½
l.c.l. .....lb. .13¼- .13½
Cedarleaf[1] cns., dms.....lb. 2.60 - 2.85
Cedarwood, dms.....lb. .85 - 1.25
Celery, bots.....lb.19.00 -22.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood (see Oil, tung).
Cinnamon bark oil, bots....lb.32.50 -35.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. .90 - .95
Java, cns.....lb. No stocks
Clove, USP, cns.....lb. 1.70 - 1.75
Coconut,[1,6] Ceylon, crude, bulk, c.i.f., N. Y..lb. .0885- —
Cochin type, crude, bulk, c.i.f., N. Y..lb. .0935- —
Manila, crude, bulk, c.i.f., N. Y..lb. .0835- —
ref. dms. .....lb. .0885- .0985
edible, ex tax, dms.....lb. .0985- —
Oil, cod, Newfoundland, dms., gal. .85 - .88
tankcar .....gal. .83 - —
Codliver,[6] med., USP, bbls., dms..gal. 2.30 - 2.40
Coriander, bots.....lb.30.00 -35.00
Corn,[1,6] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l. .....lb. .16¼- .16½
tanks .....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E.lb. .03½- —
Cottonseed,[1,5] cooking, l.c.l., ret. dms..lb. .16¼- —
foots, acid, 95%, tankcar, dlvd. E..lb. .07¾- —
raw, 50%, tankcar, dlvd. E., lb. .03¾- —
salad, l.c.l., ret. dms....lb. .16½- —
Creosote (see C).
Croton, NF, cns.....lb. 4.00 - 4.25
Cubeb, USP, cns.....lb. No prices.
Crude (see Petroleum, crude).
Cumin, bots.....lb. No stocks
Cypress, bots.....lb. 5.00 -12.00
Degras (see D).
Dillseed, bots. .....lb.10.00 Nom.
weed, bots. .....lb. 4.75 - 5.00
Dip (see D).
Erigeron, cns. .....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.00 - 1.20
Fennel, sweet, cns.....lb. 4.50 Nom.
Fir, Canada, cns.....lb. 2.50 - 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram..... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram, per million units. .001 - —
200,000 or more A units.... per million units. .80 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, cns.....lb.12.00 Nom.
Bourbon, cns.....lb.10.00 -11.00
Russian, cns.....lb.15.50 - —
Turkish (see Oil, palmarosa).

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Oil, grapefruit, cns.....lb. 2.05 - 2.10
Ginger, dist., bots.....lb. 20.00 -22.50
Hemlock, cns.....lb. 2.65 - 3.34
Juniper berry, dom., bots...lb. 10.00 -15.00
wood, tech., cns.....lb. 1.00 - 1.26
Juniper tar, USP, dms.....lb. 1.15 - 1.20
Lard,[5] common, 1 bbl.....lb. .14 - —
extra, No. 1, bbls.....lb. .14½- —
Winter, strained, bbls...lb. .15 - —
prime, burning, bbls.....lb. .16 - —
ined, bbls.....lb. .15½- —
Laurel, bots.....lb. No prices.
Lavandin, cns.....lb. 8.00 - —
Lavender flower, French., cns., lb. No prices
Russian, cns.....lb. 11.00 -11.50
garden, cns.....lb. .55 - .75
spike, Spanish, pure, cns..lb. 3.50 - 4.00
tech., cns.....lb. 2.75 - 3.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina, cns.....lb. 3.25 - —
Terpeneless.....lb. 25.00 -50.00
Lemongrass, cns., dms.....lb. 1.75 - 2.00
Lignaloe wood, Brazilian (see Bois de Rose).
Mexican, seed, cns.....lb. No stocks
wood, cns.....lb. 3.75 - 4.00
Lime, dist., Jamaica, cns...lb. 7.25 - 7.50
Mexican, cns.....lb. 7.00 - 7.50
expressed, Jamaica, cns...lb. 12.50 -13.50
Linseed,[1] raw, dms., c.l.....lb. .1510- —
l.c.l.....lb. .1600- .1660
tankcar.....lb. .1470- —
tankwagon.....lb. .1470- —
Boiled linseed oil, .004 over raw.
Linseed replacement, dms...lb. .1310- .1510
tankcar.....lb. .1270- .1470
Lubricating,[1] at refinery, ex-tax, California, neutrals, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks..gal. .25 - —

Oil, lubricating, at refinery, ex tax, Group 3, bright stock, 300 vis., No. 3 col., 0-10 pour, tanks..gal. .14½- .18
200-280 vis., No. 3 col., 15-25 pour, tanks..gal. .15 - .17½
140-150 vis., No. 3 color, 10-25 pour, tanks..gal. .24 - .30
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 0-25 pour, tanks..gal. .29 - .31
200 vis., 0-25 pour, tanks..gal. .31 - .33
Mace, dist., cns., dms.....lb. 5.00 - 5.25
Mandarin, Brazilian, cns....lb. 8.75 - 9.00
Menhaden,[1,5] crude, tanks, Baito, lb. .0890- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tankcars.....lb. .1220- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. No stocks
Mustard seed,[6] exp., dms....lb. .14¾- —
Neatsfoot, 15° c.l., bbls....gal. 1.90 - —
20°, c.l., bbls.....gal. 1.80 - —
30°, c.l., bbls.....gal. 1.60 - —
pure, bbls.....lb. .18¾ Nom.
Neroli, bots.....lb. 200.00 -300.00
Nutmeg, dist., cns., dms....lb. 5.00 - 5.25
Oiticica, liquid, dms., c.l....lb. .21½- —
l.c.l.....lb. .22 - —
Oleo,[6] No. 1, bbls.....lb. .13¼ Nom.
Olibanum, bots.....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-½% f.f.a., works, dms extra...gal. 4.30 - 4.80
imported, dms.....gal. No stocks
foots, dms.....lb. No stocks

Oil, olive, sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l.....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l.....lb. No prices
85% (68% fat), dms., c.l..lb. No prices
l.c.l.....lb. No prices
Orange, sweet, dist., c.s.....lb. 1.25 - —
expressed, Brazilian, cns..lb. 1.35 - 1.40
Calif., cns.....lb. 1.75 - 2.00
Florida, cns., dms.....lb. 1.25 - 1.30
Messina, USP, coppers.lb. No stocks
West Indian, cns.....lb. 3.75 - 4.00
sequiterpeneless, bots.....lb. 97.00 -100.00
Origanum, Spanish, cs.....lb. 2.40 - 2.75
Palm,[1,5] Niger, dms.....lb. .0865- —
Palm kernel, crude, bulk, c.i.f. N. Y..lb. .0835 Nom.
Palmarosa, cns.....lb. 5.50 - 5.75
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-70 vis., tanks, same basis..lb. .05¼- —
350° flash, 70-89 @ 100 vis., 0/10 pour..gal. .06 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. refy..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .08½- —
10/25 pour, same basis.gal. .08¾- —
100-105 vis., 0/10 pour, same basis..gal. .14 - —
Patchouli, cns.....lb. 20.00 Nom.
Peanut,[1,5] crude, tanks, mill.lb. .13 - —
bleached, deod., tankcar....lb. .1501- —
hydrogenated, tanks.....lb. .1573- .1578
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
Pennyroyal, dms., cns.....lb. 4.10 - 4.25
import, cns.....lb. No prices
Peppermint, natural, dms....lb. 7.50 - —
redist., USP, dms.....lb. 8.05 - 8.22
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms., lb. 1.75 - 1.80
Pimento, berry, dms.....lb. 8.00 - 8.25
Leaf, cns.....lb. 4.35 - 4.50

Oil, pine,[1,6] ret. dms., c.l., dlvd. E..gal. .63 - .63½
l.c.l., ret. dms., dlvd. E.gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 3.10 - 3.15
Putty,[5] bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts.....gal. .19½- —
dms., c.l., Whiting, Ind..gal. *.34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.
Rapeseed,[1,5] bulk, New Orleans. lb. .1156¼- —
Red,[1] dist., dms., dlvd.....lb. .12¾- .13¾
tanks, dlvd.....lb. .12½- —
double dist., ret. dms.....lb. .15¾- .16¾
Saponified, same prices.
Rose, natural, coppers.....oz. 30.00 -40.00
Rosemary, Spanish, cns., dms. lb. 1.60 - 2.00
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified.....gal. .72 - —
Rue, bots.....lb. 8.25 Nom.
Sage, Spanish, cns.....lb. 3.60 - 5.00
Sandalwood, NF, dist., cns..lb. 6.75 - —
Mysore, cns., case lots....lb. 7.00 - 7.25
Sardine, crude,[1,5] tanks, Pac. Coast..gal. .66¾- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l.lb. .1300- —
tankcars.....lb. .1220- —
Sassafras, artif., cns.....lb. 1.00 - 1.40
natural, cns., dms.....lb. 1.90 - 2.00
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Sesame,[1,5] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snake root, Canada, cns.....lb. No stocks
Soybean,[1,5] crude, tanks, Decatur..lb. .1175- —
clarif., dms.....lb. .1296- .1335
tanks.....lb. .1256- —
deod., Winter, tankcar....lb. .1393- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, dlvd. E..lb. .07½- —
raw, 50%, tanks, dlvd E.lb. .05½- —
refd., varnish, dms.....lb. .1386- .1400
tanks.....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 Nom.
Sperm, bleach, 38°, dms.....lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns, dms.....lb. 2.65 - 3.84
Sunflower, refined,[5] tanks...lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns....lb. 4.00 - 5.00
South, cns.....lb. 2.50 - 3.75
Tall, crude, dms., c.l., works. ton. 53.65 -55.00
l.c.l., works.....ton. 58.65 -63.65
tanks, works.....ton. 40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow,[5] acidless, bbls.....lb. .14¼- —
tanks.....lb. .13¾- —
Tansy, cns.....lb. 4.50 - 4.55
Tar,[1] pine, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., f.o.b. works....gal. .29¾- —
tanks, dlvd. E. cities...gal. .27 - —
rect., USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.50 - 3.50
white, cns.....lb. 2.65 - 4.00
Tung,[1] dms., c.l.....lb. .39 - .39½
l.c.l.....lb. .39½- .40
tanks.....lb. .38¾- —
Turkey red (see Castor, sulphorated).
Turpentine rectified, USP, cns., dms..lb. .25 - —
Vetiver, Bourbon, bots.....lb. 25.00 -30.00
Whale,[5] ref., natural, dms..lb. .1187 Nom.
winter, bleach, dms.....lb. .1232 Nom.
Wheat germ, dms.....gal. 10.00 -13.50
White mineral, tech., 50-65 vis., dms., c.l..gal. .34 - —
l.c.l.....gal. .40 - .43
65-75 vis., c.l.....gal. .34 - —
l.c.l.....gal. .40 - .43
USP, 80/90 vis., dms. extra, c.l..gal. .37 - —
l.c.l.....gal. .43 - .46
95/105 vis., dms., c.l...gal. .41½- —
l.c.l.....gal. .47½- .50⅛
125/135 vis., dms., c.l....gal. .46 - —
l.c.l.....gal. .52 - .55
145/155 vis., dms., c.l...gal. .48 - —
l.c.l.....gal. .54 - .57
175/185 vis., dms., c.l...gal. .51½- —
l.c.l.....gal. .57½- .60½
200/210 vis., dms., c.l...gal. .54 - —
l.c.l.....gal. .60 - .63
320-330 vis., c.l.....gal. .60 - —
l.c.l.....gal. .66 - .69
335/345 vis., dms., c.l...gal. .61 - —
l.c.l.....gal. .67 - .70
San Francisco, 55, 70 and 85 vis., ret. iron drums, 65 dms..gal. .40 - —
64-1 dms.....gal. .42 - .45
100 vis., 65 dms.....gal. .49½- —
64-1 dms.....gal. .51½- .54⅛
145 vs., 65 dms.....gal. .57 - —
64-1 dms.....gal. .59 - .62
180 vis., 65 dms.....gal. .60½- —
64-1 dms.....gal. .62½- .65½
340 vis., 65 dms.....gal. .72 - —
64-1 dms.....gal. .74 - .77
Wintergreen, nat., North, cns. lb. 6.50 - 8.50
South, cns.....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed,[1] cns.....lb. 5.00 - 5.15
Wormwood, cns.....lb. 4.85 - 5.50
Ylang-ylang, Bourbon, bots..lb. 9.50 -10.00
Oleostearin,[1] bbls.....lb. .1054- —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, same basis.....ton. 7.00 - —
spalls, same basis.....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots lb. 13.00 - —
25-lb. lots.....lb. 13.25 - —
smaller lots.....lb. 13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, cadmium selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroanilin toner,[1].....lb. 1.05 - —
Molybdate,[1,5] bbls.....lb. .41 - —
Orthonitroanilin toner,[1] bbls., works..lb. .80 - 1.05
kgs.....lb. .80 - —
Persian,[1] bbls.....lb. .30 - .45
Orange mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12½- —
other points.....lb. .12 - —

★ FLORANOL

A single chemical used in compounding Rose Odors. Blends with or replaces Phenyl Ethyl Alcohol.

Samples on Request.

★ CYCLAMAL

The Accepted Basis for Floral Perfumes

(Lily of the Valley, Lilac, etc.)

A single chemical having properties most desired by perfumers.

Great Strength

(5 times stronger than Hydroxy Citronellal with which it blends well.) Result: Economy.

PERSISTENT IN ODOR — FREEDOM FROM DISCOLORATION
FREEDOM FROM IRRITATION — CYCLAMAL IS OF 100% PURITY
Manufactured in the U.S.A.

★ AMERICAN DISTILLED OILS

bring you the

Fragrance of the Pine Forest

PURE OILS DISTILLED ESPECIALLY FOR US

Exceptionally Fine Quality

Oil of Spruce — **Oil of Balsam Fir American**
Oil of Cedar Leaf American Pure — **Oil of Pine Needles American**

They come to you as they come from the still in the state of absolute purity. Samples will convince you of the added value to be had from these Pure Quality Oils.

★ ALDEHYDES

ALDEHYDE C-8 **ALDEHYDE C-10** **ALDEHYDE 12-M**
ALDEHYDE C-16 **ALDEHYDE C-18**

Requests for samples on your firm's letterhead will be promptly answered.

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.

9 S. CLINTON STREET, CHICAGO 6 — 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Orange mineral, Amer., bbls., smaller lots, divd. Ala., etc..lb. .12¾- —
Ariz., etc.....lb. .13½- —
Colo., Mont., N. M., Wyo..lb. .13 - —
other points.....lb. .12½- —
Orange peel, bitter, Haitian, bgs., lb. .10½- .11
sweet, bls.....lb. .16 - .20
Oregano, Mexican, curly leaf, bgs..lb. .09 - .09½
flat leaf, bgs.....lb. .09 - .09½
Orris root, African, bls.....lb. .85 - .90
powd., bbls., bxs.....lb. .90 - .95
Portuguese, bls.....lb. .65 - .70
Verona, bls.....lb. No stocks
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .25 - .27
Orthocresol,[5,6] 30.4° C, Min. M.P., dms., c.l., works..lb. .17½- .18
l.c.l., same basis.....lb. .18 - .18½
29.0° C, Min. M.P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies, lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .43 - .55
Orthonitrochlorobenzene, dms..lb. .15 - .16
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bbls...lb. .23 - —
extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots.....lb. 3.75 - 4.15

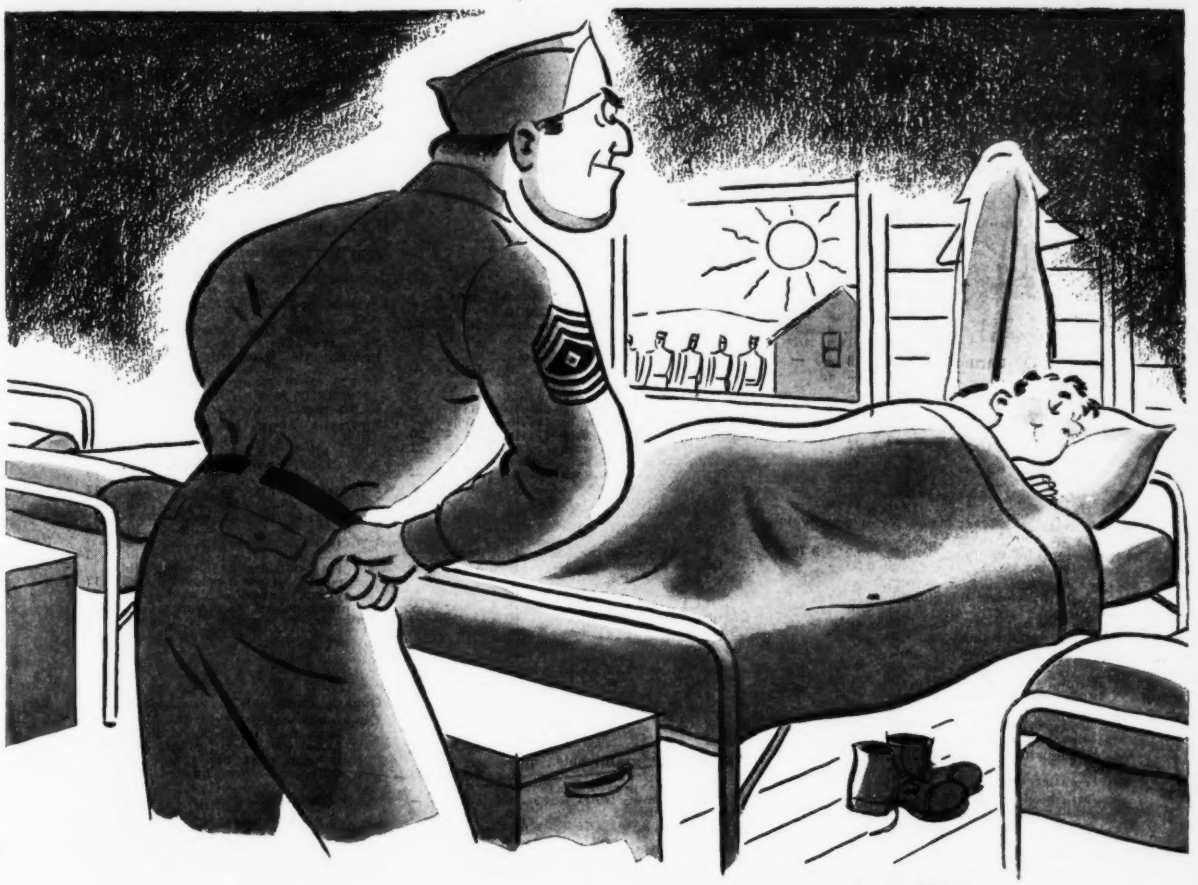
P

Papain, powd., cs.....lb. 2.40 - 2.50
Papaverine natural, synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.35
sulphate, cns.....oz. 7.10 - 7.35
Paprika,[1] Chilean, choice, bgs..lb. .34½- .35
Portuguese, choice, bgs.....lb. .41 - .42
extra fancy, bgs.....lb. .39 - .40
good, bgs.....lb. .37 - .38
Spanish, fancy, futures, bgs., lb. .50 - .50¼
fair, bgs.....lb. No stocks
good, bgs.....lb. .47 - .48
Para-anisidin, dms., works.....lb. .75 - —
Parachlorophenol, dms., wks...lb. .32 - —
Paracresol,[6] bbls., wks.....lb. .41 - —
Paracymene, dms., c.l., works.lb. .1595- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .12
l.c.l., same basis.....lb. .12½- .15
Paraffin, crude scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery..lb. .04¼- —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, same basis. lb. .0620- —
122-124 ASTM, same basis. lb. .0520- —
125-127 ASTM, same basis. lb. .0560- —
127-129 ASTM, same basis. lb. .0585- —
128-130 ASTM, same basis. lb. .0585- —
130-132 ASTM, same basis. lb. .0615- —
132-134 ASTM, same basis. lb. .0640- —
135-137 ASTM, same basis. lb. .0715- —
140-142 ASTM, same basis. lb. .0810- —
146-148 ASTM, same basis. lb. .1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.
Paraformaldehyde,[2,6] dms., 1,000 lbs. or more, works..lb. .21 - —
smaller lots, works.....lb. .22 - —
Paraldehyde, tech., 99%, 55 and 110-gal. dms., l.c.l., wks.lb. .12 - —
and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys.....lb. .35 - .45
Paranitroanilin, kgs., works..lb. .43 - .45
Paranitrochlorobenzene, kgs., wks. lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs. lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld..lb. .20 - .27
l.c.l., same basis.....lb. .22 - .28
Passion flower herb, bls.....lb. .16 - .20
Patchouli leaves, bls.....lb. .34 - .35
Pectin, bbls.....lb. .85 - —
Penicillin,[2] hospitals, institutions, ampules, per 100,000 units. 2.40 - 2.60
for gov. purchases, ampules, per 100,000 units. .35 - —
Pennyroyal leaves, bls.....lb. .16 - .18
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol,[6] CP, bbls., divd., lb. .75 - —
less than barrel lots.....lb. 1.00 - —
tech., bbls., c.l.....lb. .29 - —
l.c.l. .....lb. .33 - —
Tetra-acetate, bbls., divd....lb. 1.00 - —
less than barrel lots.....lb. 1.50 - —
Pentane,[1] 28°-38° C, industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .07½- —
laboratory grade, dms., c.l., gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
Pepper, black,[1] 15 tons, bgs...lb .10 - —
50 to 100 bgs.....lb. .1050- —
4 to 24 bgs.....lb. .1100- —
red, chillies, Carolina, longs, new crop, bgs..lb. .32½- .33
sports, old crop, bgs....lb. .45 - .46
Congo, bgs.....lb. .25 Nom.
Louisiana, sports, bgs....lb. .43 Nom.
longs, old crop, bgs....lb. .28½- .29
Mombassa, bgs.....lb. .24¼ Nom.
Niger, fair, bgs.....lb. .23 Nom.
Sierra Leone, bgs.....lb. .22½ Nom.
Uganda, washed, bgs...lb. No stocks
white,[1] 15 tons, bgs.....lb. .1161 Nom.
24 bgs.....lb. .1295 Nom.
Peppermint, USP, bls.....lb. .80 - .85
Import, bls.....lb. .60 Nom.
Perchloroethylene,[6] dms., c.l., works, frt. alld., Zone 1..lb. .0782- .0800
l.c.l., same basis.....lb. .0832- .0850
Zone 2, dms., c.l., works, frt. alld..lb. .0832- .0850
l.c.l., same basis.....lb. .0882- .0900
Zone 3, dms., c.l., works, frt. equald..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950

Perchlorethylene, Zone 4, dms., c.l., f.o.b. stock point..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), ... J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms.....lb. 1.15 - 1.20
Petrolatum, tech., dark, bbls., Group 3, c.l..lb. .021 - —
golden Topaz, bbls., c.l....lb. .032 - —
l.c.l .....lb. .036 - —
red, veterinarian, bbls., c.l.lb. .024 - —
l.c.l. .....lb. .026 - —
USP, amber, dms., c.l.....lb. .031¼- —
l.c.l. .....lb. .041½- —
extra amber, dms., c.l.....lb. .031½- —
l.c.l. .....lb. .041½- —
cream, c.l., dms.....lb. .041¼- —
l.c.l. .....lb. .061¼- —
yellow, soft, dms., c.l.....lb. .031¼- —
l.c.l. .....lb. .041¼- —
white, lily, dms., c.l.....lb. .051½- —
l.c.l. .....lb. .07 - —
snow, c.l., dms.....lb. .061¼- —
l.c.l. .....lb. .071¼- —
soft, c.l., dms.....lb. .051¼- —
l.c.l. .....lb. .061¼- —
Deposit on ret. dms. $4.
Petrolatum prices dms. extra, ret.
Petroleum, crude, bulk, at wells, California, heavy grades..bbl. .93 - 1.01
Illinois .....bbl. 1.37 - —
Kentucky, Union County..bbl. 1.32 - 1.37
Louisiana-Arkansas .....bbl. .86 - 1.20
Oklahoma-Kansas .....bbl. .85 - 1.25
Pennsylvania .....bbl. 1.31 - 3.00

Petroleum, crude, bulk, at wells, Texas, Gulf Coast.....bbl. 1.06 - 1.36
North, North-Central.....bbl. 1.01 - 1.26
West .....bbl. .70 - 1.12
Panhandle .....bbl. 1.10 - 1.22
Savannah, Ga.....bbl. 1.60 - 1.77
Wyoming .....bbl. 1.12 - —
Ether, laboratory grade, 30-60° C., dms., c.l., Group 3..gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
35-60° C., dms., c.l.....gal. .29 - —
10 gals.....gal. .55 - —
40-75° C., dms., c.l.....gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
Fuel oil, furnace, tanks, at refinery:—
Arkansas, No. 1.....gal. .04 - —
Nos. 2 and 3.....gal. .03½- —
California, heavy.....bbl. 1.10 - —
light .....bbl. 1.20 - —
diesel .....gal. .04 - —
stove dist.....gal. .05 - —
Group 3, No. 3.....gal. .06½- —
Group 3, No. 5.....bbl. .85 - —
No. 6.....bbl. .80 - .85
Kansas, No. 6.....bbl. .85 - .90
Oklahoma, No. 2.....gal. .03¾- —
No. 6.....bbl. .90 - —
14-16 .....bbl. .97 - —
Pennsylvania, No. 1.gal. .07 - .07¾
No. 2.....gal. .07 - .0806
No. 3.....gal. .06¾- .07¾
36-40 gravity.....gal. .07 - .07¾
bunker C, Albany, N. Y..bbl. 1.97 - —
Baltimore, Md.....bbl. 1.77 - —
Boston, Mass.....bbl. 1.77 - —
Charleston, Mass.....bbl. 1.72 - —
Jacksonville, Fla.....bbl. 1.72 - —
New Haven, Conn.....bbl. 1.77 - —
New York, N. Y.....bbl. 1.77 - —
New Orleans, La.....bbl. .97 - —
Norfolk, Va.....bbl. 1.77 - —
Philadelphia, Pa.....bbl. 1.97 - —

Petroleum, fuel oil, bunker C, Portland, Me.....bbl. 1.77 - —
Providence, R. I.....bbl. 1.77 - —
Savannah, Ga.....bbl. 1.72 - —
Tampa, Fla.....bbl. 1.92 - —
Lacquer diluent, at refinery.—
California, 100 l.b.n., 200 e.p., tanks, divd. Los Angeles, gal. .11 - —
Fort Wells, Wash.....gal. .12 - —
San Francisco.....gal. .11¼- —
Willbridge, Ore.....gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11½- —
Group 3, benzol type, tanks, gal. .07⅞- —
toluol type, tanks..gal. .07⅞- .07¼
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks.. gal. .10¼- —
198-200 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10½- —
312-408 b.r., tanks...gal. .09 - —
362-456 b.r., tanks...lb. .09 - —
East Coast, N. J., N. Y., gal. .10 - —
Group 3, tanks.....gal. .06½- —
tankwagon, Baltimore.....gal. .12 - .14
Boston .....gal. .13 - —
Bridgeport, Conn.....gal. .1680- —
Buffalo .....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .12½- —
Detroit .....gal. .1680- —
Hartford .....gal. .1650- —
Kansas City, Mo.....gal. .1480- —
Lancaster, Pa.....gal. .13 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark (200 gal.).....gal. .11 - —
New York (200 gal.).....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .129 - —



There's Going to Be a THUNDERSTORM!

Ohmigosh! We hate to look . . .

But it's no worse than the thunderstorm in your business when the solvents fail to meet specifications for uniformity and throw production out of gear all along the line. For in solvents, if there's one thing you've *got to have*—it is *uniformity.*

Hurdle that problem by specifying SKELLYSOLVE. The unvarying uniformity of SKELLYSOLVE is *assured* by our processes of refining it.

Scientific, instrumented control eliminates the element of human error and the vagaries of thumb rule.

SKELLYSOLVE
***in the* OIL, PAINT *and* DRUG FIELD**

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Petroleum, mineral spirits, tank-wagon, Providence..gal. .13 - —
Rochester .....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse.....gal. .14 - —
Washington, D. C.....gal. .13 - —
Wilmington, Del.....gal. .13 - —

Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- —
tankwagon, Newark.....gal. .12 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —

high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J. gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
No. 3, same basis.....gal. .22½- —
No. 6, tanks, same basis.. gal. .228 - —
No. 30, tanks, f.o.b. Kingsland, N. J., frt. alld..gal. .223 - —
No. 40, tanks, Wilmington, Cal..gal. .18½- —

V.M.&P., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willibridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77 190 i.p.b., 310 e.p. tanks, dlvd. Los Angeles.. gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
Group 3, tanks.....lb. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagons, Boston.....gal. .13 - —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1620- —
Newark (200 gals.)....gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1470- —

Solvent, rubber at refinery, California (f.o.b. San Francisco). gal. .25½- —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07¼- .07½

Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. J., N. Y., tanks..gal. .10 - —
Group 3, tanks.....gal. .06¾- —
Pennsylvania, western, tanks..gal. .07¼- .07½
tankwagon, Baltimore...gal. .13 - —
Boston .....gal. .12 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —

Petroleum xylol solvent. See Xylol petroleum solvent.

Phenobarbital, 5-lb. cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —

Phenol,*,6 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.. lb. .10 - —
l.c.l. same basis.....lb. .10¾- —
tanks, same basis.....lb. .09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10½- .10¾
tanks, same basis.....lb. .08¾- .09¼
USP, dms., c.l., same basis..lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09½- —

Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots.....lb. .82 - .87

Phenothiazin, NF, fib. dms., 2,000-lb. shipt..lb. .49 - —
smaller lots, same basis..lb. .54 - —

Phenylacetaldehyde, 50% solut., bots..lb. 2.45 - 3.00
100% solut., bots.....lb. 4.40 - 5.00

Phenylethyl acetate, cns.....lb. 4.00 - 4.25

Phenylethyliphenyl acetate, bots., lb. 5.50 - 7.90

Phenylhydrazin, base, CP, bots..lb. 4.55 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —

Phloroglucinol, CP, fib. dms..lb. 13.75 -14.75
tech., fib. dms.....lb. 12.00 -12.50

Phosgene, ton lots, works.....lb. .19 - —

Phosphate rock,*,8 Fla., land pebble, unground, run-of-mine, washed, dried, 68%-68% b.p.l., M.P.R. 240 provisions, bulk, car at mine, c.l....long ton. 2.20 - —
70%-68% b.p.l., M.P.R. 240 provisions, same basis..long ton. 2.60 - —
72%-70% b.p.l., M.P.R. 240 provisions, same basis..long ton. 3.20 - —
75-74% b.p.l., MPR, 240 provisions, same basis, long ton. 4.20 - —
77%-76% b.p.l., M.P.R. 240 provisions, same basis..long ton. 5.20 - —
entirely pebble 50c. per ton higher than above prices.
30% P_2O_5 minimum, short ton. 2.90 - —
31% P_2O_5 minimum, short ton. 3.10 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.45 - —
Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% i. & a., M.P.R. 240 provisions, same basis, long ton. 5.00 - —
72%-70% b.p.l., 51¼% i. & a., M.P.R. 240 provisions, same basis..long ton. 5.50 - —
refinery ground, same basis, long ton. 4.65 - —
30% P_2O_5, same basis..... long ton. 4.65 - —
31% P_2O_5, same basis..... short ton. 4.95 - —
32% P_2O_5, same basis..... short ton. 5.20 - —
33% P_2O_5, same basis..... short ton. 5.70 - —

Phosphate, defluorinated (see under D).

Phosphorus,*,6 red, amorphous, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow,*,6 dms.....lb. .25 - —
cs.....lb. .23 - .25
Oxychloride,*,6 cyls.....lb. .15 - .18
Pentoxide,*,6 dms., c.l., wks..lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide,*,6 cs.....lb. .38 - .42
Trichloride,*,6 cyls.....lb. .15 - .16

Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50

Phthalic anhydride,*,6 bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —

Pichi leaves, bgs.....lb. .07 - .08

Picoline (see Alphapicoline and Betapicoline).

Picrotoxin, bots.....oz. 3.00 - —

Pilocarpine hydrochloride, USP, bots., vis..oz. 3.90 - 5.25
Nitrate, bots., vis.....oz. 3.80 - 5.15

Pimento,1 Jamaica, bgs.....lb. .23½- .24
Mexican (see Allspice, Mexican).

Pinetar, retort, non-ret. dms., c.l., dlvd. E..gal. .35¾- —
l.c.l., works, dms. incl..gal. .32¾- —
tanks, dlvd. E.....gal. .27 - —

Pinkroot, bls.....lb. 1.85 - 1.90

Piperazine hexahydrate, bots..lb. 16.00 - —

Pitch, burgundy (see B).
Coaltar,2 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l., works.....ton. 22.00 - —
Cottonseed, dms., works.....lb. .04 - .06
Hardwood, paper bgs., works..lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Soybean, dms., works.....lb. .04 - .06

Pine, dms.....100 lbs. 3.25 - —
stands, 200 lbs.....stand. 6.00 - —

Plaster of paris (see Gypsum).

Pokeroot, bbls.....lb. .11 - .12

Polyamylnaphthalene, dms., l.c.l., works..lb. .25 - —

Pomegranate, root bark, bgs...lb. .80 - .85

Poppy flowers, bls.....lb. .60 - .70
Seed, Canadian, bgs.....lb. No stocks
domestic, blue, bgs.....lb. No stocks
Dutch, bgs.....lb. No stocks
Indian, white, bgs.....lb. No stocks
Turkish, futures, bgs.....lb. .33 - .34
cleaned, bgs.....lb. No stocks

Potash abietate.....lb. .08 - —
Acetate, USP, bbls., dms...lb. .28 - .30
cns.....lb. .31 - .33

Arsenite,*,6 USP, solut., cbys., djns..lb. .13 - .15

Bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21

Bichromate,*,6 bbls., cks., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10
Potash bichromate in bgs., ½c. less.

Bromide, USP, gran., 500-lb. bbls., dms..lb. .25 - —
100-lb. kgs.....lb. .26 - —

Carbonate, cal., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l. works..lb. .05½- —
dms l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms.....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21

Caustic, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
47% basis, dms.....lb. .08¼- .08½
tanks .....lb. .02¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
Chromate,*,6 bgs.....lb. .24 - .28
Chlorate,*,6 cryst., kgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb. .119 - .13
powd., dms., kgs., c.l., works, lb. .09¾- .11¾
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 98%, bgs., kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms. lb. .33½- .38½
powd., 3c. per lb. higher.
Cyanide,*,6 dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% sol., cns., cbys..lb. 1.65 - 1.67
dms., 1,000 lbs.....lb. 1.50 - —
100 lbs.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms..lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Manure salt, dom.,6 22% K_2O, f.o.b. Carlsbad, N. M..... unit-ton. .20 - —
Potash, manure salt, dom., 22% K_2O, seasonal contract discounts to March 31, 1945, 12%.
25% K_2O, same basis..... unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom.,6 60-62-63% K_2O, bulk, ex vessel, ports..... unit-ton. .53½- —
Seasonal contract discounts to March 31, 1945, 12%.
granular, 50-52% K_2O..... unit-ton. .53½- —
Russian,8 future shipt., subject to safe arrival. unit-ton. .53¼- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.

Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
tech., fine gran., bbls., dms., lb. .28 - .31

Perchlorate,*,6 kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l., works. lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass., bgs., c.l., works, ton. 200.00 - —
l.c.l. .....100 lbs. 15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works..100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —

Potash silicate, solut., 40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,6 basis 90-95% K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton. 36.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .78
Xanthate, dms., c.l.....lb. .12 - —

Potash-gold cyanide, 41% gold, bots., works..oz. 14.20 -14.95

Potash-magnesia sulphate, bulk,6 min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton. 26.00 - —

Potash-soda ferricyanide, kgs., works..lb. .40 - .43

Potash-titanium oxalate, bbls., dms..lb. .45 - .50

Prickly ash bark, bls.....lb. .23 - .25
Berries, bgs.....lb. .20 - .21

Prince's pine herb, bls.....lb. .65 - .70

Procaine hydrochloride, cns., 100-lb. lots..lb. 3.75 - —
smaller lots.....lb. 4.25 - 4.75

Propane,1 industrial grade, tanks, Group 3..gal. .03¾- —

Propyleneglycol,6 dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —

Psyllium seed (see Fleaseed).

Pulsatilla, bls.....lb. .65 - .66

Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi. ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.

Pumpkin seed, bgs.....lb. .38 - .40

Purple lake (see Red).

Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —

Pyrethrum,1,6 concentrate, dewaxed, 20% for aerosol bombs, bbls., works ..gal. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal. 10.65 - —
flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —

Pyridin,6 denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2° ret. dms., same basis. lb. .45 - .45½

Pyrites, Spanish, c.i.f. Atl. ports. long tons. 8.00 -10.00

Pyrocatechin (see Catechol).

Pyronate, dms., works.....gal. .75 - 1.25

Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton. 10.00 - —
325 mesh, same basis....ton. 13.00 - —
No. 3, 200 mesh, c.l., mines. ton. 8.00 - —
325 mesh, same basis.....ton. 11.00 - —

Pyroxylin scrap, opaque, amber, c.s., works..lb. .17 - —
black, cs., works.....lb. .17 - —
China, white, ivory, cs., works..lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., works. lb. .14 - —
translucent pastels, cs., wks. lb. .17 - —
transparent, cs., works..lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09

Quebracho extract,1,6 solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account .....lb. .05⅝- .05⅞
clarified, 64%, bgs., c.l., same basis..lb. .06½- .06¾
dissolved, 35% tan., bbls., works..lb. .04125- .0650
tanks, works.....lb. .03625- —
ground, bgs., c.l.....lb. .08 - —
l.c.l., bgs.....lb. .08¼- —

Queen of the meadow root, bgs. lb. .11 - .13

Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —

Quicksilver,1 flasks (76 lbs. net) flask. 175.00 Nom.

Quince seed, bgs.....lb. 1.30 - 1.75

Quinidine,6 NF V, cryst., cns..oz. 1.06 + .13½*
powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

* Surcharge of 13½c. per oz.: see note under Quinine.

Quinine,6 NF, cns., 100 ozs...oz. .84 + .13½*
Acetate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenite, cns., 100 ozs.....oz. 1.07 + .13½
Bisulphate, USP, cns., 100 ozs. oz. .80 + .13½
Citrate, cns., 100 ozs.....oz. .78 + .13½
Dihydrobromide, bots., 50 ozs. oz. .86 + .13½
Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½
Ferrocyanide, cns., 100 ozs...oz. 1.07 + .13½
Formate, cns., 100 ozs.....oz. 1.00 + .13½
Glycerophospnate, cns., 100 ozs. oz. 1.20 + .13½
Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½
Hydroiodide, cns., 100 ozs..oz. 1.05 + .13½
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13½
Phosphate, NF, cns., 100 ozs.. oz. .90 + .13½
Salicylate, NF, cns., 100 ozs. oz. .79 + .13½
Sulphate, USP, cns., 100 ozs. oz. .67 + .13½
Sulphocarbolate, cns., 100 ozs. oz. 1.05 + .13½
Tannate, USP X, cns., 100 ozs. oz. .63 + .13½
Tartrate, cns., 100 ozs.....oz. 1.03 + .13½
Valerate, NF IV, 100 ozs....oz. .99 + .13½

* Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,6 USP, cns..oz. .81 + .13½*

Surcharge: See note under Quinine.

Quinoline, dms., c.l., works...lb. .24½- .50

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .62 - —

Raspberries, dried, bls.....lb. 1.25 - 1.80

Red, alizarin lake,6 bbls., dlvd. N. of Tenn. and N. C., E. of Miss R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .80 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works. lb. 2.50 - —
light, same basis.....lb. 2.20 - —
Orange (see Orange).
Carmine, 40, dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, red).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis..lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08½- .096
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithotoner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls.?, works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .29
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25%, kgs. works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide,2 tech., bbls., 10,000 lbs., works..lb. 2.73 - —
smaller lots.....lb. 2.75 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide (see Red, iron oxide).
Para6 toner, concent., alizarin lake, kgs., works..lb. .70 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
lake, alizarin, kgs., works, lb. .35 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.60
Red precipitate,2 NF, powd., fib. dms..lb. 2.90 - 2.92
Red saunders wood, grd., bbls.lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .75
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .16 - .17
Rhubarb, whole, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Riboflavin, bots., 100 grams..kilo. 200.00 - —
Rice bran concentrate, dms., Cedartown, Ga. or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.45 - 1.50
Leaves, Portuguese, bls.....lb. .08¾- .09½
Spanish, bls.....lb. .13¾- .14½
Rosin, gum1:—
B, dms., c.l.....100 lbs. 5.90 - —
D, dms., c.l.....100 lbs. 5.97 - —
E, dms., c.l.....100 lbs. 6.50 - —
F, dms., c.l.....100 lbs. 6.60 - —
G, dms., c.l.....100 lbs. 6.64 - —
H, dms., c.l.....100 lbs. 6.66 - —
I, dms., c.l.....100 lbs. 6.66 - —
K, dms., c.l.....100 lbs. 6.70 - —
M, dms., c.l.....100 lbs. 6.72 - —
N, dms., c.l.....100 lbs. 6.88 - —
W.G., dms., c.l.....100 lbs. 7.18 - —
W.W., dms., c.l.....100 lbs. 7.40 - —
X, dms., c.l.....100 lbs. 7.40 - —
Wood, F.F.,1 dms., c.l..100 lbs. 4.32½- 4.35
l.c.l. .....lb. 4.62½- 4.65
Rotenone,1,6 CP, bbls., works.lb. 10.90 - —
extract, liq., dms., works..... per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines. ton. 25.50 - —
l.c.l., same basis.....ton. 37.50 - —
Rue, bls.....lb. .70 - .75

S

Sabadilla seed, powd., bbls....lb. .32 - .35

Saccharin,1 soda (soluble), dms., makers, primary distrib., 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots, same basis..lb. 1.40 - 1.60

Saffron, Mexican, bls.....lb. 1.20 - 1.30
Spanish, tins.....lb. 42.00 -43.00

Safrol, cns.....lb. 1.10 - 1.25

Sage,1 Calif., Dalmatian type, bls., f.o.b. Pacific Coast..lb. .80 - .81
leucophylla, bgs., Pacific Coast lb. .55 - .60
Cyprus, good, bls.....lb. .17½- .18
fair, bls.....lb. .14½- .15
Greek type, fair, bls.....lb. .33 - .33½
good, bls.....lb. .38 - .38½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .17½- .18

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MONSANTO CHEMICALS

Cyclohexylamine and Dicyclohexylamine

Development Department Bulletin No. 27 June 1, 1944

Monsanto Chemical Co., Organic Chemicals Division, St. Louis, Mo.

★ ★ ★ ★

Application research on the twin compounds, cyclohexylamine and dicyclohexylamine, which have been known for over fifty years has resulted in their application in diversified fields.

Cyclohexylamine is currently a corrosion inhibitor, a paint film solvent and an emulsifying agent, and also a compound from which dyestuffs are derived. There are prospects for its use in the manufacture of plasticizers, insecticides, chemical manufacture, synthetic resins and their commercial applications.

Dicyclohexylamine is similar but is employed by the petroleum industry as an extreme pressure additive and in the manufacture of cutting oils.

The physical and chemical properties listed in this bulletin should suggest many other uses for these products and open new fields for these versatile and chemically reactive products.

Let us send you a copy of this FREE TECHNICAL BULLETIN

The information in this bulletin is based on our experience, represents our best judgment in the matter, and is intended to be helpful; but we cannot assume responsibility for any loss or accident that may result from its use.

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A Monsanto technical bulletin, describing cyclohexylamine and dicyclohexylamine, is ready for distribution. It contains a lot of information that may be useful to your industry, so why not mail the coupon, today, for a free copy?

Cyclohexylamine and dicyclohexylamine are available for immediate shipment in commercial quantities. They have numerous uses in many industries. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

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Dept. I-3, Organic Chemicals Division,
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Please send me your free technical bulletin No. 27, describing cyclohexylamine and dicyclohexylamine and their uses.

Name.....

Company.....

Street.....

City.....Zone....State.....

Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .96
powder, 10c. per lb. higher.
Salt rock, bgs.[2], c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.00 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l.....ton.19.40 -23.20
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., fran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons....100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bets....oz. 3.75 - —
Santonin, cryst., cns.....kilo.190.00 -200.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, Amer., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .50
Mexican, bls.....lb. .23 - .24
Sassafras bark, ord., bls.....lb. .40 - .45
select, bls.....lb. .60 - .65
Savory, Spanish, bls.....lb. .23 - .24
dom., bls., f.o.b. Calif.....lb. .82 - .85
Saw palmetto berries, bgs.....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. No stocks
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34½- —
kegs, 5,000 lbs. 1 shipm't..lb. .34½- —
smaller lots.....lb. .34¾- —
Selenium, pwd., cs., 1,000 lbs..lb. 1.75 - —
cns., 10 lbs.....lb. 1.85 - —
Senega root, spot, lbs.....lb. 1.10 - 1.15

Senna, Alex., half-leaf, bls....lb. .19 - .22
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .16 - .16½
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10½
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. 1.40 - 1.50
Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs. lb. No stocks
natural, bgs.....lb. .11 Nom.
Shellac, bonedry, bbls., 1,000 lbs., lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500 lbs....lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —

Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3) kgs., 3c. more.

D.C., V.S.O., Diamond I, bgs., lots of 100..lb. .4660- —
Garnet, bgs., lots of 100....lb. .3990- —
Superfine, bgs., Boston, N. Y., lots of 100..lb. .3660- —
Chicago, lots of 100.....lb. .3710- —
Pacific coast, lots of 100...lb. .3960- —
TN, bgs., Boston, N. Y., lots of 100..lb. .3550- —
Chicago, lots of 100.....lb. .3600- —
Pacific coast, lots of 100...lb. .3805- —

Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

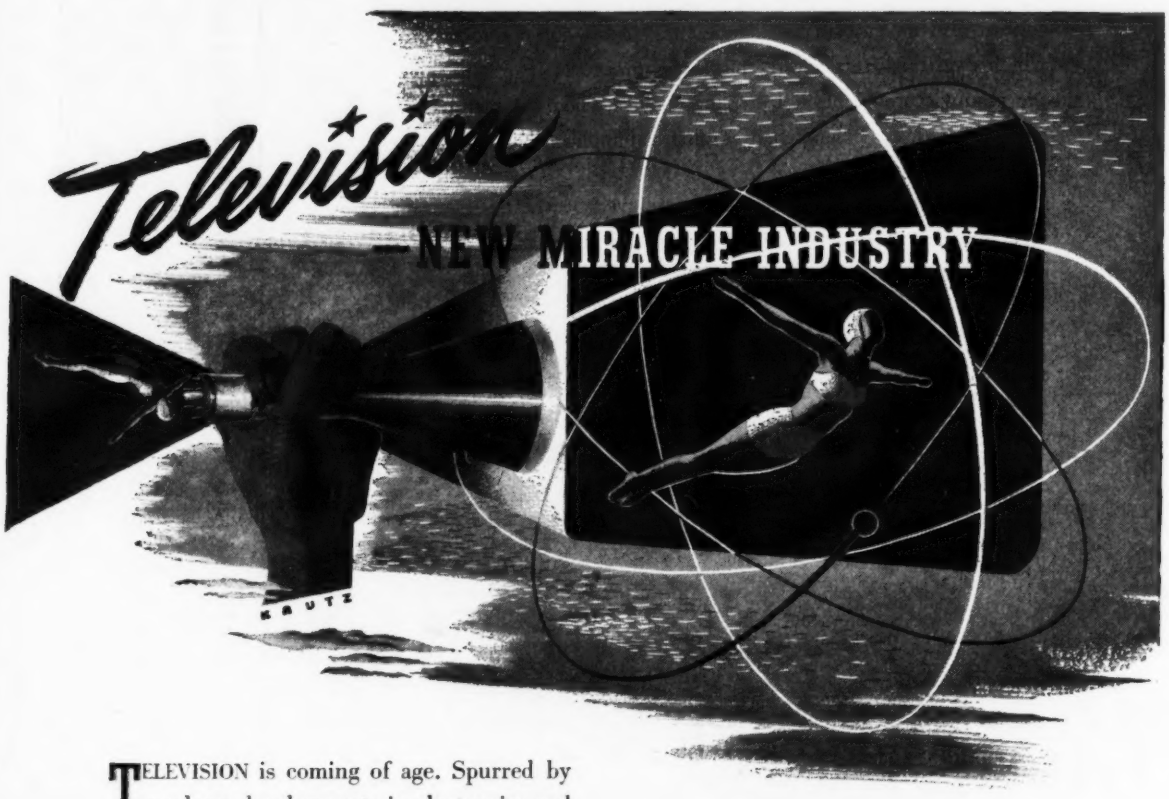
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works, ton.17.00 - —
l.c.l., same basis....ton.20.00 - —
400 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.19.00 -20.00

Silica, amorph., wet-grd., 325 mesh, bgs., c.l., same basis, ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., same basis..ton.30.60 - —
l.c.l., same basis....ton.35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton.15.50 - —
l.c.l., same basis....ton.18.50 - —
140 mesh, bgs., c.l., same basis, ton.11.00 - —
l.c.l., same basis....ton.16.00 - —
Silicon tetrachloride, tech., 55-gal. dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- —
10 gals., works.....lb. .27 - —
Silver bullion.....oz. .44¾- —
govt. purchase, dom.....oz. .7111- —
govt. purchase,[1] foreign...oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, 100-oz. bots.....oz. .32⅝- —
Nucleinate, bots., dms.....oz. .308 - .358
Proteinate, bots., dms.....oz. .288 - .328
Simarubra bark, bls.....lb. .52 - .55
Skunk cabbage root, bls.....lb. .40 - .45
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, cns.....lb. .06 - .06
Blue, cns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .11¾- .12¼
crushed, bls., bbls.....lb. .13 - .14
cut, dom., bls., bbls.....lb. .16 - .19
imp., bbls.....lb. .18 - .19
powd., bbls.....lb. .16 - .17
Soda acetate, anhyd., dms., divd. lb. .06½- .10
l.c.l., divd.....lb. .06½- .06
NF, bbls., divd.....lb. .09½- .10

Soda alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.80
Aluminate,[6] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works, 100 lbs. 7.00 - —
l.c.l.....100 lbs. 7.50 - 8.00
Antimoniate, bbls., divd.....lb. .15 - .15½
Arsenate,[6] dms., dealers, c.l., works..lb. .09½- —
l.c.l., same basis.....lb. .10¾- .11¼
Arsenite,[6] gray, dms., dealers, c.l., works..lb. .08¾- —
l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.18 - —
2.....100 lbs. 2.33 - —
3.....100 lbs. 2.58 - —
4.....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l.....100 lbs. 1.18 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., dlvd., Zone 1.....100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.06 - 1.13
l.c.l., dlvd., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., dlvd., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93°, Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l.....100 lbs. 2.45 - —
Bichromate,[6] bbls., cks., c.l., works..lb. .07¾- —
l.c.l., works.....lb. .07½- .07¾
Soda bichromate in bgs., ½c. less.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., l.c.l., same basis.....lb. .12½- .14
Bisulphite, powd, bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.30 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., works.....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., works, 100 lbs., lb. .26 - —
Cacodylate, 5-lb. bots., works, lb.17.00 - —
Carbonate (see Soda ash, soda monohydrate, soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, divd.....100 lbs. 3.55 - —
2, divd.....100 lbs. 3.70 - 5.05
3, divd.....100 lbs. 3.95 - 5.20
4, divd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works.....100 lbs. 1.95 - —
70%, buyers' tanks, works..100 lbs. 1.97½- —
sellers' tanks, works.....100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1, divd.....100 lbs. 3.15 - —
2, divd.....100 lbs. 3.30 - —
3, divd.....100 lbs. 3.55 - —
Caustic soda zones are same as soda ash.
Chloride (see Salt).
Chlorate,[6] cryst., kgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[3,5] bbls., cks., c.l., works, frt. equald..lb. .06¾- —
l.c.l., works, frt. equald..lb. .06¾- .09½
Soda chromate in bgs. is ½c. lower.
Cinchophen, bots., dms.....lb. 3.75 - 3.85
Citrate, USP VIII, bbls.....lb. .18½- —
dms.....lb. .19½- .23½
USP XII, gran., bbls.....lb. .24 - —
dms.....lb. .25 - .30
powd., bbls.....lb. .24½- —
dms.....lb. .25½- .29½
Cyanide,[6] 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., divd..lb. .09½- .10½
anhyd., dms., divd.....lb. .12½-
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07½- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06



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Behind this new miracle industry lie many decades of research and technical achievement. Its beginnings go far back into the genesis of radio itself and the first projection of sound waves. For the principles upon which television is based are formulated upon the work of pioneer scientists who first discovered the physical nature of sound and light. Thus, to those who labored long ago, as well as to the modern technicians who gave television concrete reality, we owe a debt for creating the "Margin of Experience" for the final achievement.

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ADVENTURES IN THE "MARGIN OF EXPERIENCE"

Soda hyposulphate, NF, cryst., bbls., 1,000 lbs..lb. 1.25 - —
dms. .....lb. 1.40 - —
powdered, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., frt. alld., lb. .17 - .18
Hydroxide, USP, sticks, dms., lb. .24 - .26
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, bgs., c.l., works.100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.75 - 3.95
Soda, hyposulphite, crystals in bbls., 20c. higher; pea crystals, dms., 50c. higher.
Iodate, dms., jars.....lb. 5.40 - 5.48
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls., c.l., works, frt. equald..lb. 2.50 - —
l.c.l., divd.....100 lbs. 3.30 - 3.56
Molybdate,[5] anhyd., bgs., works, lb. .47 - —
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60
Monohydrated, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, same basis.....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons... 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Nitrite, 96-98%, bbls., c.l., wks., frt. equald..lb. .06¾- —
West Coast ports.100 lbs. 8.00 - 8.65
l.c.l., divd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald..... 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.85
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., divd.....100 lbs. 4.30 - 4.56
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dest., 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald.lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
lb. .16 - .16½
l.c.l. works, frt. equald.lb. .17 - —
kgs., works, frt. equald..lb. .19 - —
Perborate,[8] NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¾- —
Peroxide,[6] dms., c.l., divd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate,[9] dibasic, tech., anhyd., bgs., c.l., works..... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.25
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works.....lb. 2.95 - 3.45
USP XII, gran., bbls., dms., works..lb. .10 - —
dried, bbls., dms., works. lb. .16 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
cryst.,[4] bgs., c.l., same basis, 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.40 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. is 20c. higher.
Prussiate, yellow, bgs.....lb. .10¾- —
bbls. .....lb. .11 - —
Pyrophosphate,[9] tetra-basic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, divd...100 lbs. 2.70 - —
2, divd.....100 lbs. 2.85 - —
3, divd.....100 lbs. 3.10 - —
4, divd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
l.c.l., divd.....100 lbs. 4.05 - 4.30
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.12.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works, lb. .06½- .07
l.c.l., same basis.....lb. .08 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36¼
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or more, works.. 100 lbs. 1.95 - 2.15
less than 5 tons, works. 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
USP, cryst., gran., bbls..lb. .07 - .10
Sulphadiazin, USP, dms.....lb.10.50 - —
Sulphamerazin, dms.....lb.10.50 - —
Sulphathiazole, USP, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., divd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., divd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l. .....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .30
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65

Soda sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works, lb. .05½- —
l.c.l., works.....lb. .06 - .08
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works lb. .04¼- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Tetrapyrophosphate,[9] anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-formaldehyde sulphoxalate, stand cont. (125-250 lbs.)..lb. .19 - .22
Solvent naphtha,[3] dms., wks.gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
Minnequa, Colo.....gal. .27 - —
high-flash, dms., works....gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
Soybean meal,[1] 41%, Decatur, bulk, c.l..ton.45.00 - —
Protein, alpha, bgs., 40,000-60,000 lbs., works..lb. .20 - —
20,000-40,000 lbs., works.lb. .20¼- —
smaller lots, works.....lb. .20½- .24
Sorbitol,[6] com'l, dms., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15½- —
Sparteine sulphate, bots., cns..oz. 1.60 - 1.90
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .33 - .34
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 2.25 - —
White, bls.....lb. .14 - .16
powd., bbls., bxs.....lb. .18 - .19

St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .14½- .16
Starch, corn, pearl, bgs..100 lbs. 4.06 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. .09 - .09¼
Wheat, thick boil, bgs.....lb. .05 - —
Starch iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.25 - 1.50
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb .22 - .24
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .35 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.12
Sulphate, nat., 92% min., air-floated, 300 mesh, bbls., c.l., works..ton.52.00 - —
l.c.l., works.....ton.54.00 - —
Strontium-calcium sulphide, phosphorescent, dms.. works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.65 - 2.70
Styrolyl acetate, bots.....lb. 2.50 - 3.10

Styrchnine, NF, cryst., cns., 100 ozs..oz. .70 - —
powd., cns., 100 ozs.....oz. .60 - —
Acetate, cns., 100 ozs.....oz. .68 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .86 - —
Glycerophosphate, cns., 100 ozs. oz. .89 - —
Hydrochloride, cns., 100 ozs.oz. .86 - —
Hypophosphite, 25-oz. cns., 100 ozs..oz. 1.00 - —
Nitrate, NF, 100 ozs.....oz. .82 - —
Phosphate, NF, 100 ozs.....oz. .89 - —
Sulphate, cryst., cns., 100 ozs., oz. .58 - —
powd., cns., 100 ozs.....oz. .48 - —
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works..lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, USP, 100-lb. dms., lb. 9.00 - —
Sulphamerazin, dms.....lb. 9.00 - —
Sulphaguanidin, 100-lb. dms...lb. 4.50 - —
Sulphanilamid, bots.....lb. 1.35 - —
fib. dms.....lb. .90 - 1.10
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.30
Sulphathiazole, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contracts..long ton.16.00 - —
f.o.b. vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.15
precipitated, USP, bbls., kgs., lb. .18 - .30

Explosives Need Alkalies

Explosives are the major destructive agent of bullets, bombs, shells, mortars, grenades, mines, torpedoes. Important factors in the manufacture of this potent force are Solvay Alkalies and their related products ... another example which proves, in war as in peace, alkalies are indispensable!

SOLVAY SALES CORPORATION *Alkalies and Chemical Products Manufactured by The Solvay Process Company*

Sulphur, refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy bgs., c.l., works.....
100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.....
100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 35c. higher.
flowers, USP, bgs., c.l., works..100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l. works.....lb. .04 - .04½
10-gal dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., works, lb. .18 - .21
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .06 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, production points, Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .87 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 86¼c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.06 per ton.
Superphospate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 18%, 19% or 20% a.p.a., ¼c. per unit-ton higher.
Superphosphate, triple, 40% or more, a.p.a., bulk, producing points, Florida..unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Sweet basil, bls., f.o.b. Calif..lb. .90 - .95

T

Talc, dom., aluminum-flake type, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works .....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.17.50 -48.00
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94% bgs., c.l., works, ton.16.00 -16.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85-99.95%, bgs., c.l., works..ton.17.00 -21.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
imp. Canada, bgs., c.l....ton.24.00 -30.00
Tallow,[1,5] edible, tanks.....lb. .09⅞- —
inedible, extra, loose.....lb. .08⅝- —
special, loose .....lb. .08½- —
sulphonated, 36% (24% fat). dms., c.l..lb. .03⅝- —
50% (43% fat), dms., c.l....lb. .06⅞- .07
50% (48% fat), dms., c.l....lb. .07⅝- .07½
Tallow, sulphonated, l.c.l., ¼c. higher.
Tamarind, bbls. .....lb. .13 - .14
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,5] Brazil, bgs..lb. .06½- .07¼
Java, bgs. .....lb. No stocks.
Tar acid oil,[1,5] 15-18%, dms., c.l., works..gal. .26½- .27½
l.c.l., works .....gal. .28½- .29¾
25%, dms., c.l., works....gal. .30 - —
l.c.l., works .....gal. .32 - —
Tar, pine (see Pinetar).
Tara, powd., dlvd. N. Y.....ton.120.00 - —
Tarragon herb, bgs.....lb. 1.40 - 1.50
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs., lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l., lb. .75 - .80
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South .....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .34 - .50
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terpinglycol ether, dms. (extra), l.c.l., works..lb. .19½- —
l.c.l., works .....lb. .20 - —
tanks, works .....lb. .19 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks.lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetrailin, dms. .....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 - —
Theobromine,[1,6] makers, primary distrib., dms., 25-lb. lots.lb. 2.80 - —
smaller lots .....lb. 2.90 - 3.00
Thiamine hydrochloride, bots., dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works..lb. 2.00 - —
Thyme,[1] California, French type, lbs., f.o.b. Pacific Coast..lb. .90 Nom.
Spanish, bls.....
.17 - .17½
Thymol, cns. .....lb. 2.40 - 2.75
Iodide, dms. .....lb. 3.40 - 3.60
Timbo root,[2,6] (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks.
Crystals,[6] bbls., bgs.....lb. No stocks.
Metal,[1,6] Straits .....lb. .52 - —
Oxide,[6] bbls. .....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,5] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., 5 tons one deliv., dlvd..lb. .15½- —
smaller lots, dlvd.....lb. .15½- .16¾
nonchalking,[1,5] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., 5 tons one deliv., dlvd..lb. .16¾- —
smaller lots, dlvd..lb. .17 - .17¼
plain,[6] bgs., c.l., dlvd.....lb. .14½- —
l.c.l., 5 tons one delivery, dlvd..lb. .14¾- —
smaller lots, dlvd.....lb. .15 - .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,5] bgs., c.l., dlvd.lb. .05¾- —
l.c.l., dlvd. .....lb. .06 - —
calcium base,[1,5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd. .....lb. .05¾- —
calcium-rutile base,[1,6] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd. .....lb. .05¾- —
magnesium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd. .....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. cst. ¼c. higher, c.l., dlvd., l.c.l., ex whse.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works...lb. .65 - 1.22
technical, 55-gal. dms., works, lb. .32 - —
smaller pkgs., works...lb. .40 - 1.00
Tolu balsam, cns.....lb. .78 - .82
Tolidine base, distilled, kgs...lb. .96 - —
Toluene (see Toluol).
Toluol[6] (toluene), 2° indus., dms., return, works..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .28 - —
West Minnequa, Colo.gal. .28 - —
1° nitration, ret. dms., works. gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½- —
West Minnequa, Colo.gal. .29½- —
Tonga, 50% bark and vine, bbls.lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.50 - 1.60
Brazilian, Surinam, cs....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs. oz. .52 - —
Triacetin, dms., works.....lb. .27 - .32
Triamyl borate, dms., works...lb. .33 - —
Triamylamine, dms., c.l., works. lb. .96 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms..lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichloroethane, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Trichloroethylene,[6] d m s., c.l., works, Zone 1, frt. alld...lb. .08 - —
Zone 2, same basis.....lb. .08½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l. prices, ¼c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[6] CP, cns., works..lb. .43½- .54½
dms., c.l., dlvd.....lb. .37½- —
l.c.l., dlvd.....lb. .40½- —
tech., cns., works.....lb. .28½- .45½
dms., c.l., dlvd.....lb. .25 - .31
l.c.l., dlvd.....lb. .25½- .31½
tanks, dlvd.....lb. .24 - .30
Triethanolamine,[6] d m s., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .18⅝- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate,[2] bbls....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,4] (see Derris root).
Tungsten metal, powd.,[2] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turpentine, gum, dms.....gal. .88 - .88½
Haitian, New Orleans, bls....lb. .09 - .09½
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, dms.....gal. .88½- .89
sulphate-wood, dms., c.l....gal. .65½- .76
tanks .....gal. .57½- .62½
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist.,[1] rot. dms.....gal. .80 - .83
tanks .....gal. .74 - .76

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports. ton.57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va..ton.50.00 - —

An Enameling Improvement ready *now!*

THE Titanium Alloy Manufacturing Company announces a new titanium alloy enameling steel which offers improved quality and reduced cost to the manufacturers of vitreous enameled products.

This new steel has exceptional ductility, being in this respect at least equal to the best deep drawing steels previously known. It also has superior resistance to sagging at enameling temperatures.

Tests conducted in many different laboratories have indicated that the use of titanium alloy enameling steel virtually eliminates primary boiling because of the fact that the carbon in the steel has been stabilized by the titanium. This indicates that ground coat can be eliminated, assuring greater uniformity of finished product and reducing rejects and re-operations very substantially. It permits furthermore the application of lighter coats of enamel with the consequent reduction in cost and improvement in appearance and wearing qualities of many enameled articles.

There are many additional features of interest to both steel producers and manufacturers of enameled products.

A member of our Technical Staff will be glad to go over details with you at your convenience. Send us a card for prompt action.

★ ★ ★

Pending patent applications on the new enameling process and product made thereby are owned by Inland Steel Company and The Titanium Alloy Manufacturing Company under Trust Agreement.

THE TITANIUM ALLOY MANUFACTURING COMPANY

Executive Offices: 111 BROADWAY, NEW YORK *General Offices and Works:* NIAGARA FALLS, N. Y.

Urea-ammonia liquor (A and B), fixed ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., NH_3 ....ton.112.80 - —
usual Atla. and Gulf ports, NH_3..ton.116.80 - —

C and D prices are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Uva ursi leaves, bls.....lb. .19 - .20

V

Valerian root, NF, bls.....lb. .55 - .60
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb. 8.00 - 8.50
Mexican, cuts, tins.....lb.10.00 - —
whole, tins.....lb.11.00 - —
Tahiti, white label, tins...lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin tins, 25 lbs. or more..lb. 2.35 - —
lignin tins, 25 lbs. or more, lb. 2.35 - —
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate,[6] cbys., works...lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works...lb. .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis....bot. 1.95 - —
25 c.c., same basis....bot. .95 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
Vitamin B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol)
E (see Alpra tocopherol).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide)
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).

W

Wahoo, root bark, bls.....lb. .55 - .60
Wattlebark,[1] E. Afr., bgs., f.a.s. based on freight, $11.70, insurance $1 per ton. Difference for buyers' account... ton.53.00 - —
So. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers' account..ton.53.00 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks .....lb. .04¾- .05¼
solid, So. Afr., 62% tannin, ex dock..lb. .0572- .0597
E. Afr., 61% tannin, ex dock. lb. .05595- .05845
Wax, Bayberry, bgs.....lb. No stocks
Bees,[1] bleached, USP, white, bricks, bgs., ton..lb. .58 - —
discs or cakes, bgs., ton, lb. .60 - —
ctns., ton.....lb. .61 - .63
slabs, bgs., ton.....lb. .57 - —
yellow, crude, African, bgs., ton..lb. .40 - —
up to 1 ton.....lb. .41 - —
100-200 lbs.....lb. .43 - —
Cent. or So. Amer., sunbleachable, bgs., ton..lb. .44¾ Nom.
unbleachable, bgs., ton, lb. .41½ Nom.
ref'd, USP, bricks, bgs., ton, lb. .53½- —
dics., bgs., tons.....lb. .55½- —
ctns., ton.....lb. .56½- .58½
rounds or squares, bgs., ton..lb. .57½ —
ctns., ton.....lb. .58½- .60½
slabs, bgs., ton.....lb. .52½- —
Candelilla,[1] crude, bgs., ton..lb. .34½- .35
smaller lots.....lb. .35½- .44½
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton.....lb. .44 - —
smaller lots.....lb. .45 - .54
Carnauba,[1] chalky, No. 3, bgs., ton lots..lb. .71¼- —
smaller lots.....lb. .72¼- .81¼
North Country, No. 2, bgs., ton lots..lb. .75¾- —
smaller lots.....lb. .76¾- .85¾
No. 3, bgs., ton.....lb. .73½- —
smaller lots.....lb. .74½- .83½
refined, bgs., ton.....lb. .76¾- .80
smaller lots.....lb. .77¾- .90
yellow, No. 1, bgs., ton....lb. .83¼- —
smaller lots.....lb. .84¼- .93¼
No. 2, bgs., ton.....lb. .81¼- —
smaller lots.....lb. .82¼- .91¼
No. 3, bgs., ton.....lb. .79 - —
smaller lots.....lb. .80 - .89
carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., 1 ton, lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., 1 ton.. lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Micro-crystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14¼- —
smaller lots.....lb. .14½- .15¼
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots.....lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots.....lb. .16½- .17½
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots.....lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .28¾- —
Montan, bgs.....lb. No stocks
Ouricury,[1] bgs., ton.....lb. .49½- .51¾
smaller lots.....lb. .50½- .61¼
refined, bgs., ton.....lb. .62 - —
smaller lots.....lb. .63 - .72
powdered ouricury prices same as candelilla.
paraffin (see under P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .15 - .16
White precipitate,[5] powd., dms., 50 lbs. or more..lb. 2.60 - —
Whiting, chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Paris white, bgs., c.l.....ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E.. works. ton. 6.00 - —
smaller lots, N.E.. wks. ton. 7.00 - 9.00
wet - grd., air - floated, 300 mesh., 99¾%, bgs., c.l..ton. 9.35 -10.10
200 mesh, bgs., c.l.....ton. 8.60 - 9.50
90%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.13.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
tin, natural, bgs.....lb. .17 - .18
rossed, green, bls.....lb. .26 - .28
Wild indigo root, bls.....lb. .17 - .18
Witch-hazel extract, dist., NF, bbls..gal. .70 - .75
Leaves, bls.....lb. .14 - .15
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .23
Levant .....lb. 4.50 - 4.75
Wormwood, bls.....lb. .30 - .50

X

Xanthorrhiza, bls.....lb. .24 - .25
Xylene (see Xylol).
Xylol,[6] (xylene), indus., ret., dms., works..gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
West, Minnequa, Col....gal. .27 - —
10°, ret., dms., works.....gal. .35 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .30 - —
5°, ret., dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .37 - —
3°, ret., dms., works.....gal. .47 - —
-tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .42 - —
Xylol petroleum solvent, ret. dms., No. N. J..gal. .26 - —
Xylidin, mixed, dms.....lb. .85 - .86

Y

Yara yara, cryst., bots., cns..lb. 1.90 - 2.00
Yeast, brewer's, dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - -
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C. E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .22 - —

Barium chromate price differentials on deliveries in the various other State and city zones are the same as those for chrome yellow, which are set forth below.

Benzidin, bbls., dlvd.....lb. 1.35 - 2.25
Cadmium, CP, import, bxs...lb. 1.35 - 1.40
Carome CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .16 - —

Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas), 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Yellow, Dutch, pink, bbls.....lb. .08 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis..lb. 1.75 - —
Lithopone, bbls., ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis..lb. .65 - —
sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Mercury oxide, bbls., 1,000 lbs., lb. 2.56 - —
smaller lots.....lb. 2.58 - —
Ocher, American, golden, bbls., worth..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .02¼
French type, bbls., c.l.....lb. .0345- —
l.c.l. .....lb. .0365- —
Oxide, iron, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth, bbls., c.l., works....lb. .0685- —
l.c.l., works.....lb. .071 - —
Persian orange (see O).
Zinc,[6] bbls., same basis as chrome..lb. .15 - —
Navy spec. type, bbls., contracts..lb. .15 - —
Yellow dock root, bls.....lb. .35 - .36
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .21 - .25
Yohimbine hydrochloride, vis..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works..lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd..lb. .16 - .17
USP, bbls., 250 lbs.....lb. .26 - .27
kgs., 100 lbs.....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .13½
l.c.l., same basis.....lb. .12¼- .13¾
Borate, bgs., c.l.....lb. .12 - —
Carbonate, tech., rubber makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works..... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
USP, dms.....lb. .30 - .31
jars .....lb. .35 - .36
solution, 50%, dms., c.l., works lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
Chromate (see Yellow, Zinc).
Cyanide, kgs., works.....lb. .33 - .37

—Continued on page 40

Synthetic Resins and other Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn (see methyl abietate in Current Market Quotations)
Aroclors, distilled, dms., c.l, works..lb. .18 - —
ton lots, works.....lb. .18½- —
single dms., works.....lb. .19 - —
undistilled, dms., c.l., works..lb. .15½- —
ton lots, works.....lb. .16 - —
single dms., works.....lb. .16½- —

B

Bakelite, 100% paraphenyl phenol resin, pale, non-heat hardening BR-254, non-ret bbls., ton, works..lb. .33 - —
single dm. and less, works..lb. .33½- .36
100% phenolic, pale, non-heat hardening, BR-9432, non-ret. bbls., works..lb. .31 - —
single dm. and less, works..lb. .31½- .34
BR-4036, dms., non-ret. bbls., ton, works..lb. .37 - —
single dm. and less, works..lb. .37½- .40
BR-17700, non-ret. bbls., ton, works..lb. .32½- —
single dm. and less..lb. .33 - .35½
dark, non-heat hardening, BR-1329, non-ret. bbls., ton, works..lb. .29 - —
Bakelite, dark, non-heat hardening, BR 1329, non-ret. dms., single dm. and less, works..lb. .29½- .32
BR-9434, non-ret. bbls., ton, works..lb. .25½- —
single dm. and less, works..lb. .26 - .28
BR-9476, dms., non-ret. bbls., works..lb. .29 - -
BR-9476, single dm. and less, works..lb. .29½- .32
pale, heat-hardening, BR-3360, non-ret. bbls., ton..lb. .36 - —
single dm. and less, works..lb. .36½- .39
BR-14634, non-ret. bbls., ton, works..lb. .30 - —
single dm. and less, works..lb. .30½- .33
BR-10282, non-ret. bbls., ton, works..lb. .32 - —
single dm. and less, works..lb. .32½- .35
phenolic resins, oil modified, BR-2175 (MTO), non-ret. kgs., ton, works..lb. .38 - —
single kg. and less, works..lb. .38½- .41
BR-802, non-ret. dms., ton, works..lb. .346 - —
single dm. and less, works, lb. .351 - .376
rosin-baking types, BV-1660, ret. dms., ton, works..lb. .30 - —
single dm. and less, works..lb. .30½- .33
BV-8966 (MTO), non-ret. dms., ton, works..lb. .20 - —
single dm. and less, works..lb. .20½- .23
BV-10673, ret. dms., ton, works..lb. .35 - —
single dm. and less, works..lb. .35½- .38
BV-16607 (MTO), non-ret. dms., ton, works..lb. .212 - —
single dm. and less, works, lb. .217 - .242
dispersion resins, phenolic, BK-3962-X, non-ret. dms., ton, works..lb. .277 - —
single dm. and less..lb. .282 - .307
XX-10700, non-ret. dms., ton, works..lb. .27 - —
single dm. and less..lb. .27½- .30
non-phenolic, XK-16624, non-ret. dms, ton, works, lb. .225 - —
single dm. and less....lb. .23 - .255
resin modified, BR-2072, non-ret. bbls., ton, works..lb. .23 - —
single dm. and less, works, lb. .23½- .26
BR-2963, non-ret. bbls., ton, works..lb. .22 - —
single dm. and less, works, lb. .22½- .25
BR-11504, non-ret. bbls., ton, works..lb. .18 - —
single dm. and less.....lb. .18½- .21
BR-11544, non-ret. bbls., ton, works..lb. .18 - —
single dm. and less.....lb. .18½- .21
lacquer resins and solutions, XR-3180, non-ret. dms., ton, works..lb. .45 - —
single dm. and less..lb. .45½- .48
XR-4357, dms., wks.....lb. .45 - —
single dm. and less..lb. .45½- .48
BJ-15408, non-ret. bbls., ton, works..lb. .24 - —
single dm. and less.....lb. .24½- .27
XJ-10433, ret. dms., ton, works..lb. .37 - —
single dm. and less..lb. .37½- .40
BR-9366, non-ret. bbls., ton, works..lb. .18½- —
single dm. and less..lb. .19 - .21½
100% phenolic, rosin reactive, XR - 15775, non - ret. dms., ton, works..lb. .33½- —
single dm. and less..lb. .34 - .36½
XR-15778, ret. dms., dm. charges included, ton, works..lb. .50 - —
single dm. and less..lb. .50½- .53
glycerine reactive, BR-10025, dms., ton, works..lb. .28 - —
single dm. and less..lb. .28½- .31
C-9 resins, solid types, BR-13202, non-ret. bbls., ton, works, lb. .15 - —
single dm. and less..lb. .15½- .18
BR-13260, non-ret. bbls., ton, works..lb. .37 - —
single dm. and less....lb. .375 - .40

BILLION-DOLLAR COAT

• As we civilians dig deep to buy the bonds that build ships, planes, and tanks, it's good to know this fact: Our Armed Forces have gone "all out" to protect the billions invested in war equipment against the ravages of rust and rough handling.

As manufacturers of "S&W" resins, U.S.I. solvents, and other chemicals used in protective coatings for war equipment, we at U.S.I. are proud of the part our research has played. We are proud, too, of the flexibility we have maintained in the fast-changing resin field. For it is this flexibility which has enabled us to keep pace with—often anticipate your needs for resin improvements.

THE COMPLETE RESIN LINE
"S & W" ESTER GUM—all types
CONGO GUM — raw, fused and esterified
AROPLAZ—alkyds and allied materials
AROFENE—pure phenolics
AROCHEM—modified types
NATURAL RESINS—all standard grades

U.S.I INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., NEW YORK 17, N. Y.
CHEMICALS RESINS ANTI- SOLVENTS ALCOHOLS FREEZE USI SERVICE TO INDUSTRY
BRANCHES IN ALL PRINCIPAL CITIES

Durez RESIN NEWS

Durez 220 Resin

Durez 220, in the field of hard phenolic-type resins, has won wide approval and acceptance, as it embodies so many of the desirable qualities required in a varnish gum.

Its many properties adapt it for use in a wide range of oleoresinous coatings, both air-drying and baking, and with the use of either hard- or soft-drying oils. Its high melting point gives finishes which set and dry rapidly and which acquire hardness and toughness in minimum time. Its pale color gives light-colored varnishes and enamel liquids which have excellent retention of color on drying and aging. Its complete solubility in oils and thinners gives varnishes which are clear, free from seeds, and which dry smooth and glossy. Properly cooked varnishes remain stable on storage and do not produce a precipitate or sludge. Also, no trick cooking procedure is necessary, as the resin is completely soluble in drying oils at its melting point. Aged films of varnishes show no excessive embrittlement, as oxidation of the resin is negligible.

The low acidity of Durez 220 Resin enables the production of varnishes which body rapidly in the kettle and which have good viscosity. Compatibility with basic reactive pigments can be secured by proper treatment of the oil.

Durez 220 Resin is widely employed in finishes for war and essential civilian uses.

Quick-Drying Camouflage Enamel

Army Air Forces specification No. 14109-B, dated August 9, 1943, covers a quick-drying camouflage enamel based on a synthetic resin.

Schedule 59 to General Allocation Order M-300 prohibits the use of phthalic anhydride in a number of specification finishes including the No. 14109-B.

A satisfactory vehicle for the No. 14109-B enamel can be formulated with Durez 50950, a 100% phenolic resin, and linseed oil. This varnish at 50% non-volatile content has a viscosity of D-E and dries tack-free in 20 hours. As an illustration of a typical formulation for the No. 14109-B specification, we offer E-51081 which is a white pigmentation. This formulation meets all requirements of the specification including dry, coverage, adhesion, resistance to water and hydrocarbons, and resistance to self-lifting.

Cold-cut Aluminum Paint

Highly satisfactory aluminum paint vehicles can be produced by cold-blending of Durez 219 or 220 Resin with drying oil and solvents. The Durez Resins because of their solubility characteristics can readily be dissolved in coaltar or petroleum solvents, and such solutions blend perfectly with all types of drying oils, including those of high viscosities.

Vehicles made by the cold-cut method with either Durez 219 or 220 Resin are lower in acidity than identical compositions cooked at high temperatures. Vehicles can be readily modified to produce any desired oil-to-resin ratio. Aluminum paints made with these cold-cut vehicles dry rapidly with good leafing of the aluminum flakes. Leafing is maintained on extended aging of the paint.

For samples or further information on above Durez resins, write to . . .

DUREZ PLASTICS & CHEMICALS, INC.
382 Walck Rd., North Tonawanda, N. Y.

DUREZ
RESINS THAT FIT THE JOB

HOW WELL CAN YOU MAKE MARINE PAINTS REQUIRING 52R13?

UNUSUAL success in meeting marine paint specifications calling for 52R13 Alkyd Resin is being obtained with ZV-3180 Glyptal Solution. We know this through the experience of many in the industry who are using it. Further, the General Electric Company has such complete confidence in ZV-3180 that it recommends it for 52R13 without reservation. Outstanding among its characteristics are: 1. Extremely high uniformity as demonstrated in field applications; 2. Negligible viscosity variations; 3. Excellent pigment compatability. Complete data on ZV-3180 Glyptal Solution, and other Glyptal Alkyd Resins for war-time specification finishes, are contained in the catalog shown below. Your copy is available from Section RIM151-35, General Electric Company, Schenectady 5, N. Y.

Glyptal

Hear the General Electric radio programs: "The G-E All Girl Orchestra" Sunday 10 p.m. EWT, NBC. "The World Today" news every weekday 6:45 p.m. EWT, CBS.

★ BUY WAR BONDS ★

RESIN AND INSULATION MATERIALS DIVISION
1 River Road, Schenectady, New York

GENERAL ELECTRIC

liquid types, BR-14590, non-ret. dms., ton, works..lb. .26 - —
single dm. and less..lb. .26½- .29
XR-16780, non-ret. dms., ton, works..lb. .34 - —
single dm. and less..lb. .34½- .37
BR-16640, non-ret. dms., ton, works..lb. .34 - —
single dm. and less..lb. .34½- .37
XR-15840, dms., ton, works. lb. .34 - —

Bakelite, liquid-type, XR-15840, single dm. and less..lb. .34½- .37

Bakelite prices are f.o.b. manufacturer's plant or warehouse; minimum charges prepaid to destination in the United States on shipments of standard drum quantities or multiples thereof, with the exception of those to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming, deliveries to which cost 1c. per lb. more.

Made-to-order materials marked (MTO) are those which are not stock materials (not stocked because of changes that occur in physical properties when stored for any length of time) and which therefore have to be manufactured upon receipt of orders and allocation of raw materials.

Beckacite, 1100 M-K, dms., c.l..lb. .15½- —
l.c.l., same basis.....lb. .16 - .16½
1102, M-K, dms., c.l.....lb. .14 - —
l.c.l., same basis.....lb. .14½- .15
1112, WG-N, dms., c.l.....lb. .16 - —
l.c.l., same basis.....lb. .16½- .17
1116, K-1, dms., c.l., same basis lb. .16½- —
l.c.l., same basis.....lb. .17 - .17½
1123, dms., c.l.....lb. .15½- —
l.c.l., same basis.....lb. .16 - .16½
1124, M-K; P-306, M-K, dms., c.l..lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
P-405, N-K, dms., c.l.....lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
P-406, M-I, dms., c.l.....lb. .13 - —
l.c.l., same basis.....lb. .13½- .14
1110, N-M, dms., c.l.....lb. .13½- —
l.c.l., same basis.....lb. .14 - .14½
1111, WG-N, No. 1120, M-K, dms., l.c..lb. .15 - —
l.c.l., same basis.....lb. .15½- .16
Beckamine, P-2, works, dms., c.l..lb. .11¼- —
l.c.l., same basis.....lb. .12 - .12½
P-138, works, dms., c.l.....lb. .22 - —
l.c.l., same basis.....lb. .22½- .23
P-196, dms., c.l.....lb. .26 - —
l.c.l., same basis.....lb. .26½- .27
P-198, accelerator, works, dms., c.l..lb. .28 - —
l.c.l., same basis.....lb. .28½- .29
P-354, works, dms., c.l.....lb. .20½- —
l.c.l., same basis.....lb. .21 - .21½
P-364, works, dms., c.l.....lb. .13½- —
l.c.l., same basis.....lb. .13½- .14
Beckopol, 1400 M-K, dms., c.l..lb. .17½- —
l.c.l., same basis.....lb. .18 - .18½
Beckosol, solid, No. 18, 4-5 (80% M.S.), dms., c.l..lb. .26 - —
l.c.l., same basis.....lb. .27 - .28
No. 24, 4-5L (80% toluol), dms., c.l..lb. .33 - —
l.c.l., same basis.....lb. .34 - .35
No. 36, 4-5 (60% toluol), dms., c.l..lb. .38 - —
l.c.l., same basis.....lb. .39 - .40

C

Cumar resin, AX, non-ret. drums. net weight..lb. .06¼- —
BX, net weight.....lb. .06¼- —
CX, gross weight.....lb. .05¾- —
DX, gross weight.....lb. .05¼- —
EX, gross weight.....lb. .05¼- —
FX, gross weight.....lb. .05¾- —
MH, col. 1.....lb. .11¾- —
1½-2.....lb. .10¾- —
2½-3½.....lb. .09¾- —
9.....lb. .06½- —
MS.....lb. .10¾- —
P 10°-90° C., col. 2½ and darker, lb. .10¾- —
RH.....lb. .10¾- —
RS.....lb. .10¾- —
V col. ½.....lb. .12¾- —
1.....lb. .11¾- —
1½-2.....lb. .10¾- —
2½ and darker.....lb. .09¾- —
W col. ½.....lb. .13½- —
1.....lb. .12½- —
1½-2.....lb. .11½- —
2½ and darker.....lb. .10½- —

All "P" grades with melting point below 80 degrees C., and grades AX and BX are shipped in steel drums, with the two last-mentioned grades reckoned on a net weight basis. All other grades are shipped in destructible fiber and metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankford, Pa., freight equalized with Pittsburgh, with no revisions for shipments made in fiber containers.

D

Durite, 1301, pale, one drum and over..lb. .29 - —
smaller lots.....lb. .30 - —
Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, alkyd solution, A, dms., c.l., dlvd..lb. .15½- —
l.c.l. .....lb. .16 - —
22-B, c.l., dlvd.....lb. .10½- —
l.c.l. .....lb. .11 - —
33, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- —
Esterol, alkyd solut., 562, c.l., dlvd..lb. .16½- —
l.c.l. .....lb. .17 - —
562, c.l., dlvd.....lb. .16½- —
l.c.l. .....lb. .17 - —
660-N, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- —
730, any quantity, dlvd....lb. .15 - —
2185, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- —
2195, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .16½- —
2600, c.l., dlvd.....lb. .18 - —
l.c.l. .....lb. .18½- —
3172, c.l., dlvd.....lb. .14½- —
4040, c.l., dlvd.....lb. .15½- —
l.c.l. .....lb. .16 - —
4052-B, any quantity, dlvd.lb. .11 - —
5141, c.l., dlvd.....lb. .11½- —
l.c.l. .....lb. .12 - —

F

Flexalyn solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1.....lb. .1229- —
l.c.l., 10 dms., same basis..lb. .1297- —
single dms., same basis..lb. .1447- —
smaller lots, same basis..lb. .1947- —
C solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1147- —
10 dms., same basis.....lb. .1222- —
single dms., same basis...lb. .1372- —
smaller lots, same basis...lb. .1872- —
Flex-Synol, A, c.l., works.....lb. .085 - —
1-20 dms.....lb. .09 - —
B, c.l., works.....lb. .095 - —
1-20 dms.....lb. .10 - —
C, c.l., works.....lb. .11 - —
1-20 dms.....lb. .115 - —

G

G, resin, dms., gross weight, works..lb. .08 - —
Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs, works.. lb. .38 - —
5,000 to 29,999 lbs., same basis..lb. .39 - —
200 to 4,999 lbs., same basis. lb. .41 - —
up to 199 lbs., same basis..lb. .56 - —
No. 202, 30,000 lbs., works...lb. .45 - —
5,000 to 29,999 lbs., same basis..lb. .46 - —
200 to 4,999 lbs., same basis. lb. .48 - —
up to 199 lbs., same basis..lb. .63 - —
No. 203, 30,000 lbs., works...lb. .48 - —
5,000 to 29,999 lbs., same basis..lb. .49 - —
200 to 4,999 lbs., same basis. lb. .51 - —
up to 199 lbs., same basis..lb. .66 - —
Gual-a-phene, dms. (dm. deposit $6.00), works..gal. 2.47 - —
4 gals. or multiples, glass jars, 4 jars in each paper carton, works..gal. 2.62 - —
1-3 gals., cns., works....gal. 2.82 - —

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.

J

Jozite (see zinc-iron oxide pigment in regular list above).

K

Kopol, 500, esterfied, D-B, c.l..lb. .22 - —
l.c.l. .....lb. .22½- .23
501, fused, c.l.....lb. .20 - —
l.c.l. .....lb. .20½- .21

L

Lewisol resin, 2 L, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
l.c.l., 10 dms., same basis..lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —
28, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
10 dms., same basis.....lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —
33, non-returnable fiber dms., c.l., f.o.b. cars, destination, Zone 1..lb. .16½- —

Lewisol resin prices are f.o.b. cars, New England States, Middle Atlantic States, Va., W.Va., N.C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo. Cost of non-returnable dms. is included in the price in each instance.

M

Metronite pigment, 120 and 180 mesh, containers extra, c.l., f.o.b. Milwaukee..ton.10.00 - —
l.c.l., same basis.....ton.14.00 - —
250 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.50 - —
325 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, containers extra, c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.22.50 - —

N

Neo-fat drying oil, 170, dms., c.l., dlvd..lb. .14¾- —
190, dms., c.l., dlvd.....lb. .18¾- —
290, dms., c.l., dlvd.....lb. .20¾- —
fatty acid, 3R, dms., c.l., dlvd..lb. .13¾- —
17, dms., c.l., dlvd.....lb. .12¾- —
19, dms., c.l., dlvd.....lb. .16¾- —

Neo-fat prices are ½c. per lb. higher in all States west of the Rocky Mountains. Drums in all instances are returnable.

Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works..lb. .19 - —
hard, color 2-½-4, melting point 85-95°C., same basis..lb. .17 - —
soft, color, 2-½-4, melting point 65-75°C., same basis.. lb. .17 - —
10 C, color ½-4, same basis..lb. .24 - —
LX-483 same basis.....lb. .23 - —
OA, same basis.....lb. .45 - —
Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13½- —
R-3, nevindene, col. 1, dms., works..lb. .12½- —
R-5, nevindene, col. 1½-2, dms., works..lb. .11½- —
R-6 nevindene, col. 2½-3½, dms., works..lb. .10½- —
R-7, N.P.S., col. below 3, dms., works..lb. .12¾- —
R-9, hard, col. ½, dms., works. lb. .13¾- —
R-10, hard, col. 1, dms., works..lb. .11¾- —
R-11, hard, col. 1½-2, dms., works..lb. .10¾- —
R-12, hard, col. 2½-3½, dms., works..lb. .09¾- —
R-13, medium, col. ½, dms., works..lb. .12¾- —
R-14, medium, col. 1, dms., works..lb. .11¾- —
R-15, medium, col. 1½-2, dms., works..lb. .10¾- —
R-16, medium, col. 2½-4, dms., works..lb. .09¾- —
R-16A, medium, col. 7-10, dms., works..lb. .08½- —
R-17, medium, soft, col. 3½-8, dms., works..lb. .10¾- —
R-19, medium soft, col. 3½-8, dms., works..lb. .10¾- —
R-21, soft, col. 3½-8, dms., works..lb. .10¾- —
R-22, special, soft, col. 3½-8, dms., works..lb. .10¾- —
R-27, medium, soft, col. 1, dms., works..lb. .13¾- —
R-28, medium soft, col. 1½-2, dms., works..lb. .12¾- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10¾- —
R-33, R-34, color 10-15, dms., works..lb. .0625- —
R-35, color 10-15, dms., gross weight, works..lb. .0575- —
465, 110-125° C., dms., gross weight, Pittsburgh..lb. .08½- —

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional. f.o.b. Neville Island, Pa.

Nevilloid, C-55 emulsion, ret. dms., works..lb. .12 - —
C-10 emulsion, ret. dms., works lb. .1125- —
Nevtex, 10, returnable dms., works..lb. .08 - —
30, returnable dms., works.. lb. .20 - —

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Nuba, 1, 80-95° C., dms., gross weight, works	lb.	.6290- —
2, 100-125° C., dms., gross weight, works	lb.	.6290- —
3x, 135-150° C., dms., gross weight, works	lb.	.64¼- —
Nuodex drier, cobalt, 6%, 400-lb. pkgs.	lb.	.30¼- —
10%, 100-lb. pkgs.	lb.	.48½- —
Iron, 6%, 400-lb. pkgs.	lb.	.14¾- —
10%, 100-lb. pkgs.	lb.	.25¼- —
Lead, 24%, 450-lb. pkgs.	lb.	.14 - —
34%, 100-lb. pkgs.	lb.	.19 - —
28%, cobalt, 2.8%, 150-lb. pkgs.	lb.	.29½- —
Manganese, 2.8%, 160-lb. pkgs.	lb.	.22¾- —
10%, 100-lb. pkgs.	lb.	.28¼- —
6%, 400-lb. pkgs.	lb.	.15¾- —
Zinc, 8%, 400-lb. pkgs.	lb.	.15¾- —
12%, 100-lb. pkgs.	lb.	.22½- —

All prices are divd. in U.S.A., except California, Oregon and Washington.

P

Paradene, No. 1, 75-99° C., dms., gross wt., works	lb.	.05¼- —
2, 100-125° C., dms., gross wt., works	lb.	.05¼- —

Paradene prices are freight equalized with Philadelphia, Pa.

Paradura, 46, c.l., divd.	lb.	.22¾- —
l.c.l.	lb.	.23¼- —
273, c.l., divd.	lb.	.23 - —
l.c.l.	lb.	.24 - —
Paranol resin, hard, No. 1, c.l., divd.	lb.	.15 - —
l.c.l.	lb.	.15½- —
25, c.l., divd.	lb.	.15½- —
l.c.l.	lb.	.16 - —
54-E, c.l., divd.	lb.	.18½- —
l.c.l.	lb.	.19 - —
105, dark, c.l., divd.	lb.	.14½- —
l.c.l.	lb.	.15 - —
X hard, c.l., divd.	lb.	.15½- —
l.c.l.	lb.	.16 - —
200, c.l., divd.	lb.	.17¾- —
l.c.l.	lb.	.18¼- —
500, hard, c.l., divd.	lb.	.16½- —
l.c.l.	lb.	.17 - —
X hard, c.l., divd.	lb.	.19 - —
l.c.l.	lb.	.19½- —
850, c.l., divd.	lb.	.15 - —
l.c.l.	lb.	.15½- —
1750, c.l., divd.	lb.	.16¾- —
l.c.l.	lb.	.17¼- —
1855, c.l., divd.	lb.	.15½- —
l.c.l.	lb.	.16 - —
Parazenes, 4634 solution (50% in mineral spirits), c.l., divd.,	lb.	.11 - —
l.c.l.	lb.	.11½- —
5 solution, c.l. and l.c.l., divd.,	lb.	.13 - —
Pentalyn A, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1	lb.	.13 - —
l.c.l., 10 dms., same basis,	lb.	.13½- —
single dms., same basis	lb.	.14 - —
smaller lots, same basis	lb.	.19 - —
G, non-returnable fiber dms., c.l., f.o.b. cars, destination, Zone 1	lb.	.14½- —
l.c.l., 10 dms., same basis	lb.	.15 - —
single dms., same basis	lb.	.15½- —
smaller lots, same basis	lb.	.20½- —
P.H.O., dms., works	lb.	.24 - —
Piccolyte resins, S-10, S-25, S-40, bulk, net wt., f.o.b. Clairton, Pa., c.l.	lb.	.15 - —
l.c.l.	lb.	.15½- —
S-55, S-70, same basis, c.l.	lb.	.16 - —
l.c.l.	lb.	.16½- —
S-85, S-100, same basis, c.l.	lb.	.17 - —
l.c.l.	lb.	.17½- —
S-115, same basis, c.l.	lb.	.18 - —
l.c.l.	lb.	.18½- —
Piccoumaron resins,[1] 420, 420-S, bulk, gross wt., f.o.b. Clairton, Pa., frt. equald.	lb.	.09 - —
420-T, same basis	lb.	.0675- —
422-R, 423-R, 425-R, 427-R, bulk, net wt., same basis	lb.	.1075- —
430, 435, bulk, gross wt., same basis	lb.	.045 - —
440-T, same basis	lb.	.0625- —
450, 450-H and 450-S, same basis	lb.	.09 - —
450-EH, same basis	lb.	.0975- —
460-T, same basis	lb	.0675- —
XX-25, XX-40, bulk, net wt., same basis	lb.	.0625- —
XX-55, bulk, gross wt., same basis	lb.	.0675- —
XX-70, XX-100, same basis	lb.	.0625- —
XX-115, same basis	lb.	.0675- —
T-115, same basis	lb.	.0725- —
70%, 420-S Sol., ret. dms., net wt.	lb.	.075 - —
Pliolite S-1 powder, ton lots, works	lb.	.75 - —
dm. lots, same basis	lb.	.78 - —
less dm. lots, same basis,	lb.	.83 - —
milled S-1, ton lots	lb.	.84 - —
dm. lots, same basis	lb.	.88 - —
less dm. lots, same basis,	lb.	.93 - —
S-3 powder, ton lots, same basis	lb.	.64 - —
dm. lots	lb.	.66 - —
less dm. lots	lb.	.71 - —
Plyophen, solution, 5000, c.l., works	lb.	.18 - —
l.c.l., same basis	lb.	.18½- .19
5010, c.l., same basis	lb.	.18½- —
l.c.l., same basis	lb.	.19 - .19½
5011, c.l., same basis	lb.	.17½- —
l.c.l., same basis	lb.	.18 - .18½
5012, 5013, c.l., same basis	lb.	.13 - —
l.c.l., same basis	lb.	.13½- .14
5014, c.l., same basis	lb.	.14½- —
l.c.l., same basis	lb.	.15 - .15½
Polyamide, ED, Nos. 93, 94 and 95, f.o.b. works, all quantities	lb.	.45 - —

R

Resinous oil, No. XI, returnable dms., works	lb.	.0160- —

S

Silene (see Calcium silicate hydrated under C in Current Market Quotations)		
Staybelite ester, No. 1, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1	lb.	.17½- —
10 dms., same basis	lb.	.18¼- —
1 dm., same basis	lb.	.19¼- —
smaller lots, same basis	lb.	.24¼- —
Staybelite ester, No. 2, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1	lb.	.1824- —
No. 3, returnable black iron dms, c.l., f.o.b. cars, destination, zone 1	lb.	.1974- —
10 dms., same basis	lb.	.2049- —
1 dm., same basis	lb.	.2149- —
smaller lots, same basis	lb.	.2649- —
No. 10, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1	lb.	.14¼- —
No. 10, dms., same basis	lb.	.14¾- —
1 dm., same basis	lb.	.15 - —
smaller lots, same basis	lb.	.20 - —
Super-Beckacite, RM-254, 1001, 1020, c.l.	lb.	.33 - —
l.c.l., same basis	lb.	.33½- .34
1003, F.E., c.l.	lb.	.31 - —
l.c.l., same basis	lb.	.31½- .32
Super-Beckacite, 2000, M-K, c.l.	lb.	.27 - —
2007, E-D, c.l.	lb.	.23 - —
l.c.l., same basis	lb.	.23½- .24
3011, c.l.	lb.	.31¾- —
l.c.l.	lb.	.32 - .32½

V

Vanadiset resins, dlvd., Baltimore-Washington area, Del., Mass., R. I., c.l.	lb.	.017 - —
l.c.l.	lb.	.025 - —
under 2,000 lbs.	lb.	.04 - —
Greater N. Y., N. J., Conn., c.l.	lb.	.015 - —
l.c.l.	lb.	.024 - —
under 2,000 lbs.	lb.	.04 - —
Maine, N. H., Ver., c.l.	lb.	.017 - —
l.c.l.	lb.	.026 - —
under 2,000 lbs.	lb.	.04 - —
Canada, Windsor to Montreal, c.l.	lb.	.019 - —
l.c.l.	lb.	.027 - —
under 2,000 lbs.	lb.	.043 - —
Ariz., Cal., Canada in general, Nev., N. M., Ore., Utah, Wash. State, c.l.	lb.	.027 - —
l.c.l.	lb.	.035 - —
under 2,000 lbs.	lb.	.047 - —
Pa., west of Susq. Riv., west and north of Williamsport, Md., Frederick and West. c.l.	lb.	.017 - —
l.c.l.	lb.	.026 - —
under 2,000 lbs.	lb.	.042 - —
Ala., Fla., Ia., (Minn., Miss., c.l.	lb.	.019 - —
l.c.l.	lb.	.028 - —
under 2,000 lbs.	lb.	.044 - —
Ark., Colo., Neb., c.l.	lb.	.021 - —
l.c.l.	lb.	.03 - —
under 2,000 lbs.	lb.	.045 - —
Greater N. Y., N. J., Conn., c.l.	lb.	.015 - —
l.c.l.	lb.	.024 - —
under 2,000 lbs.	lb.	.04 - —
Ga., Ill., Ky., Tenn., Mich., c.l.	lb.	.019 - —
l.c.l.	lb.	.027 - —
under 2,000 lbs.	lb.	.042 - —
Louisiana, Okla., Tex., Kan., Dakotas, c.l.	lb.	.02 - —
l.c.l.	lb.	.03 - —
under 2,000 lbs.	lb.	.045 - —
N. Y. State, Pa., East, c.l.	lb.	.016 - —
l.c.l.	lb.	.025 - —
under 2,000 lbs.	lb.	.04 - —
Ohio, Ind., W. Va., c.l.	lb.	.018 - —
l.c.l.	lb.	.027 - —
under 2,000 lbs.	lb.	.042 - —
Mo., c.l.	lb.	.019 - —
l.c.l.	lb.	.027 - —
under 2,000 lbs.	lb.	.043 - —
Wis., c.l.	lb.	.019 - —
l.c.l.	lb.	.028 - —
under 2,000 lbs.	lb.	.043 - —
Idaho, Wyo., c.l.	lb.	.025 - —
l.c.l.	lb.	.035 - —
under 2,000 lbs.	lb.	.045 - —
Mont., c.l.	lb.	.027 - —
l.c.l.	lb.	.034 - —
under 2,000 lbs.	lb.	.047 - —
Ind., O., Va., W. Va., c.l.	lb.	.018 - —
l.c.l.	lb.	.027 - —
under 2,000 lbs.	lb.	.042 - —
Vinyleseal adhesive solutions, vinylite resin AYAB, 69-72% by weight, solution in acetone, A-70, drum lots, f.o.b. South Charleston, W. Va.	gal.	2.75 - —
less than drum lots, same basis	gal.	3.00 - —
AYAF, 35% by weight, solution in acetone, A-35, drum lots, same basis	gal.	2.10 - —
less than drum lots, same basis	gal.	2.50 - —
modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T 24-9, 20-drum lots, same basis	gal.	2.00 - —
drum lots, same basis	gal.	2.25 - —
less than drum lots, same basis	gal.	2.50 - —
28% by weight, solution in 82% methyl acetate, MA 28-14, 20-drum lots, same basis	gal.	2.15 - —
drum lots, same basis	gal.	2.40 - —
less drum lots	gal.	2.66 - —

All "Vinyleseal" containers except 1-gal. size are returnable. Extra charge of 40c for 1-gal. containers; 55-gal. drums are valued at $5 each.

Vinylite resins, vinyl chloride-acetate, VYLF, VYHH, VYNW, VYNU, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va.	lb.	.38 - —
10,000 to 29,999 lbs., same basis	lb.	.39 - —
200 to 9,999 lbs., same basis	lb.	.40 - —
1 to 199 lbs., same basis	lb.	.56 - —
VYNS, c.l. (30,000 lbs.), paper bags, same basis	lb.	.50 - —
10,000 to 29,999 lbs., same basis	lb.	.51 - —
200 to 9,999 lbs., same basis,	lb.	.52 - —
1 to 199 lbs., same basis	lb.	.68 - —
modified vinyl chloride-acetate, VMCH, powdered, c.l. (30,000 lbs.), paper bags, same basis	lb.	.47 - —
10,000 to 29,999 lbs., same	lb.	.48 - —
200 to 9,999 lbs., same basis,	lb.	.49 - —
1 to 199 lbs., same basis	lb.	.65 - —
Vinyl acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi river, c.l. (30,000 lbs.)	lb.	.40 - —
2,000 to 29,999 lbs., same basis	lb.	.43 - —
200 to 1,999 lbs. same basis.	lb.	.45 - —
1 to 199 lbs., same basis.	lb.	.60 - —
chloride resins, QYNA, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va.	lb.	.36 - —
10,000 to 29,999 lbs., same basis	lb.	.39 - —
200 to 9,999 lbs., same basis,	lb.	.40 - —
1 to 199 lbs., same basis.	lb.	.56 - —
butyral resins, XYHL, XYHM, XYNC, granular, 93 to 97% solids, prices based on contained solids (in paper bags at option of seller), 30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l.	lb.	.32 - —
10,000 to 29,999 lbs., same basis	lb.	.33 - —
200 to 9,999 lbs., same basis,	lb.	.34 - —
1 to 199 lbs., same basis.	lb.	1.00 - —

Z

Zinlac, orange or white, 50-gal. bbls.	gal.	1.45 - —
kits (5 gals.)	gal.	1.85 - —
jugs (1 gal.)	gal.	1.90 - —

Available Now!

VELSICOL AF-3 RESIN

FOR AIR-DRY and FORCE-DRY FINISHES

AF-3

Replaces . . . Extends Many Critical Resins . . . With These Advantages:

1

Speeds drying of slower oils . . .

2

Combines with other resins to speed drying of finished coatings . . .

3

Reduces film tackiness of low-melting resins . . .

4

Coatings show excellent resistance to alkalis and water . . .

5

Produces tough, durable coatings with high gloss . . .

6

Conserves and extends critical oils and resins . . .

Research has shown that Velsicol AF-3, when bodied with vegetable or marine oils in kettle, produces vehicles with performance of high merit. Thus AF-3 may be used with other resins which are now scarce to extend them without sacrifice of film quality.

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Antitrust Law Partiality

In spite of familiarity with the complexities of the processes of representative government, it is extremely difficult to reconcile the general governmental attitude toward business in the light of the antitrust laws and the action of the senate in passing a legislative bill which suspends the Sherman act until June 1, 1947, and the Clayton act until January 1, 1948, insofar as those statutes may apply to the operations of insurance companies toward uniformity of rates and other harmonies among them. This featherbedding strikes with a special force of discrimination upon the chemical industry, which has been denied respite from antitrust law undertakings and experimentation that hamper it in its essential tasks of war production.

It is the common practice to blame the judicial branch of the Federal government particularly with antagonism, or at least antipathy, for the endeavors of business to adjust itself to the stress of economic forces. The Department of Justice, as the matter is usually stated, has no idea of the importance of business as a national factor and cares nothing about the essentiality of avoiding destructive competition through common sense and understanding. The executive branch, to a lesser degree, comes in for condemnation because of the impingements of its numerous administrative agencies upon the activities of business. Being in a sort of betwixt-and-between position of prosecutor and regulator, the Federal Trade Commission gets whacked verbally by all critics of a supervisory and punitive attitude of government toward business. In short, and particularly with respect to the interpretation and enforcement of the antitrust laws, the practice is to condemn those who wield the statutory powers thereby provided and to regard with, at least, hope, rather than rancor, the legislative branch which conveyed them.

There is a somewhat expansive feeling in business that Congress looks with a more understanding eye upon its endeavor to maintain a condition of amity in the realms of competition—largely with full recognition of the fact that to proceed otherwise would be more or less promptly suicidal. This feeling has never been supported by more than a little evidence on the part of Congress that the legislative branch of the government had any thought either of remedying the structural faults of the antitrust laws or of clarifying the scope of their enforcement. Perhaps, that was owing to the failure of business properly to present the case for such emending. There must be some truth in that: otherwise, how is it that the insurance business has been granted indulgences?

Certainly the writing of insurance, even against damage by robot bombs or loss of property or life in a maritime ambush, is no more essential to the satisfactory and successful conduct of the war than is the production of chemicals without which war could not go on. But, the chemical industry, although promised at least a temporary respite from antitrust-law prosecution, has several indictments upon its various divisions, and some of these have been ordered to trial.

Congress has been prodigal in its criticism of even the military experts for misconduct and hampering of the war effort. For much of that which it criticized, Congress was largely to blame in the faults of its relevant legislating. For its discriminatory failure to provide the chemical war industry with as much protection against disruptive and hampering governmental prosecution as it has given the insurance business, Congress is to be unqualifiedly and severely condemned as disregardful of the essentials of the national welfare. Its discriminatory neglect of essential industry emphasizes again the fact that Congress is no more nationally minded than is the narrowest bureau in the judicial or the executive branch.

—O-P-D—

Peace Cannot Stand Alone

In the light of the continuous cycling, from gibbering uncertainty to jabbering optimism, of public response to the variations of war's progress, it is not difficult to understand the position of those who say that public sentiment will be averse to compulsory military training as soon as peace has been attained. It is far harder to conceive why these and others base upon this expectation the opinion that a policy of military training should not be adopted under the stress of war psychology. The arguments of a group of important educators to that effect fall far short of conviction for those who know that peace cannot be self-maintaining, and feel that, when next it fails, the inadequately defended countries will be conquered before they know what has fallen upon them.

One must recognize the nobility of the sentiments of the educators, although uncertain of their motive, when they oppose "the control of even a year's education of young men by the Federal government." The lack of the realistic in the approach of education to social and other economic problems needs no emphasis. The otherworldliness of its higher ranges is admitted even among them. So, it is not unexpectedly that the educating leaders say:—

> Military training offers no real solution to national problems of education, health, or responsible citizenship in a free society.

It can quite soundly be argued that the training of youth now under arms will prove to have done at least as much toward such solutions as can be attributed to the existing system of education, and to have done it far more widely.

The educators argue that a national program of compulsory military training is not related to the successful prosecution of the war. Strange as it may seem, military training is compelled upon all who are fit for service in that job. Continuation of the selective service act will meet the present personnel needs of the armed forces, say the educator opponents of compulsory military training. The selective service officials and the military leaders will not agree with that appraisal of adequacy. Continuation of selective service would be exactly compulsory military service, as well as training, and the objective of the proposed policy is the future, not the present, needs of the nation for defensive personnel. And those needs will differ from today's only in kind, not in degree. Among nations, as among the people of the smallest community in this and every other country, peace endures only by virtue of controlling force. And the outcome of today's global war will not be a new and better scheme of human behavior.

It may be wise not to repeat the experiment of restricted suffrage by which prohibition was so futilely undertaken. Let those in the armed forces vote upon the policy of universal military training. It is for the people to decide now in the clear light of reality, not on some dull, drowsy tomorrow of mistaken confidence. None can foretell when the need will fall—and it will be the youth of the country, not the heads of its colleges, who will pay most for its unpreparedness.

—O-P-D—

Education's Opportunity

There is a growing recognition on the part of those who shape the ends and means of higher education of the manner and degree in which their programs fall short of adequate service in many, if not all, aspects of human economy. This trend is still quite slow, and it is narrowly confined. It begins to comprise the value of a greater curricular proportion of vocational subjects, but it is still lacking in appreciation of proper criterions for the qualitative evaluation of such teaching.

Industry finds the products of education in technologic and more scientific fields not up to its needs. This is particularly true with respect to ability to translate scientific discoveries into technical applications. And it is in this field that the chemical producing and processing industries are most in need of trained personnel. The generation barren of scientific workers, of which so much and piteous plaint is heard, would not be an unmitigated evil if there were developed meanwhile useful applications of the backlog of potential materials which have been provided by research in a more restricted scientific sense.

One of the longest moves that could be taken in the direction of bestowing the potential benefits of science to mankind will be started when a properly qualified advisory group from industrial management meets with a properly receptive group of educators and formulates an adequate scheme of educational, preparatory training in matched, not mongrel, chemistry and physics.

OPD—2-5-1945

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Heavy Chemicals

Progress has been made in restoring chemical production and shipments to their former basis after the bottlenecks that developed from snowbound traffic. The improvement has been gradual as the scarcity of manpower exerted a retarding influence. Considerable complaint continued to be heard in reference to a shortage of boxcars and tanks in different areas and this condition has been an additional aggravating influence to the movement of material and brought about a shortage of supplies. The overall consuming demand has not relaxed, the call from industry slanting toward expansion rather than contraction. Heavy tonnage chemicals such as soda ash, soda, caustic and sulphuric acid could exceed any previous sales record if the material was available. The snow and ice have brought out an unusually heavy demand for calcium chloride that could not be satisfied at the current rate of production.

Hydrofluoric acid output has finally caught up with the demand for freon, the movement last month permitting factories to run at capacity. WPB stated that production of freon has been increased and stabilized sufficiently to permit a relaxation in restrictions on its use in refrigeration and air conditioning systems, except in amusement halls, bars and other institutions covered by list A.

Sal ammoniac is going to feel the effect of an increased dry battery demand this year. WPB states that the needs for 1945 will be roughly 3,400,000,000 units compared with 2,160,000,000 dry cell batteries produced in 1944. The production program calls for an average of 248,000,000 cells per month for the first quarter of 1945, an increase of 49 percent more than December's record output.

Paper production as a percentage of six-day capacity was 88.4 in the week ended Jan. 27, according to the American Paper and Pulp Association. This compares with 89.1 in the previous week and 87.1 percent a year ago.

Production and supply figures appearing in the following market reports were released by the Chemicals Bureau of WPB, unless otherwise specified.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
169.0	169.0	169.0	170.6

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Ammonia—Production of synthetic anhydrous 100 percent NH_3 for November was 49,721 tons, compared with 49,113 tons in October. Stocks at the end of November were 5,064 tons, against 4,802 tons at the end of October.

Ammoniac Sal — November output totaled 5,772,000 pounds, against 5,646,000 pounds for the preceding month. Stocks at the end of November were 2,486,000 pounds, compared with 2,063,000 pounds at the end of October.

Bleaching Powder — Output was placed at 2,680,000 pounds in November, compared with 2,702,000 pounds in October. Stocks at the end of November were 1,080,000 pounds, against 864,000 pounds at the end of October.

Calcium Acetate—There were 1,190,000 pounds of this material made during November, compared with 1,067,000 pounds in October. Stocks at the end of November were 385,000 pounds, against 236,000 pounds at the end of October.

Calcium Hypochlorite — Production of 1,152,000 pounds of true 70 percent available Cl_2 were reported for the month of November. October production was 1,249,000 pounds. Stocks at the close of November were 671,000 pounds, compared with 731,000 pounds at the close of the preceding month.

Chlorine—November production was given as 101,999 tons, against 103,517 tons in October. Stocks at the end of November were 5,059 tons, compared with 4,986 tons at the close of October.

Copper and Brass Scrap—Activity in copper and brass scrap followed the general downward trend of the nonferrous scrap metal market during the month of November, according to the Bureau of Mines. The decline was sharp in both dealers' receipts and shipments to consumers, while dealers' stocks showed a substantial gain. Receipts were down to 40,008 tons, the lowest since January, 1944, compared with 44,790 tons in October.

Nickel Scrap—Contrary to the general trend of the nonferrous scrap metal market for November, Bureau of Mines reported receipts of nickel scrap advanced from 603 tons in October to 660 tons in November. Stocks increased from 1,439 tons to 1,528 tons.

Salt—War Food Administration reported sales of 1,442 bags rock salt of 25 pounds each at 10c. per bag, 833 cases of packaged table salt at 30c. per case, and 69 cases of table salt in packages at 75c. per case, on January 16, f.o.b. Norfolk, Virginia.

Soda Ash—Supply situation reported somewhat tighter than usual owing to congestion of traffic in snowbound sections, while industrial demand continued exceedingly heavy. Production of light soda ash for the month of November amounted to 197,154 tons, compared with 203,265 tons in October. Stocks at the end of November were 24,802 tons, against 24,312 tons at the end of October. Output of dense ash for November was 124,415 tons, compared with 123,025 tons in October. Stocks at the end of November were 14,923 tons, against 12,801 tons at the close of October.

Soda, Bicarbonate—November output was 12,840 tons, compared with 12,422 tons in October. Stocks at the end of November were 4,460 tons, against 4,936 tons at the end of the preceding month.

Soda, Bisulphite — Production for November was given at 2,826,000 pounds, compared with 3,284,000 pounds in October. Stocks at the close of November were 840,000 pounds, against 1,398,000 pounds at the end of the preceding month.

Soda, Caustic—Deliveries reported behind schedule with market position definitely tight for both liquid and solid grades, while industrial demand continued heavy. Production of liquid by the electrolytic process in November was 99,428 tons and 16,837 tons of solid, compared with 100,879 tons of liquid and 16,491 tons of solid in October. Production by the lime soda process was 59,314 tons of liquid and 13,390 tons of solid in November, against 56,618 tons of liquid and 19,191 tons of solid in October. Combined stocks at the end of November were 57,479 tons, against 59,388 tons at the end of October. War Shipping Administration has approved the following new rate orders covering transportation charges by water:—Rate order 311—50 percent liquid soda, caustic, in bulk by tankers between U. S. Pacific coast ports, a rate of 28c. per barrel, plus a surcharge of 10 percent, based on a minimum shipment of 10,000 barrels, with freight to be paid for 10,000 barrels if a lesser quantity is shipped. Rate order 278 is cancelled. Rate order 312—50 percent liquid soda, caustic, in wing tanks from U. S. Atlantic ports to Aruba or Curacao and Netherlands West Indies, a rate of 22½c. per barrel, plus surcharge of 10 percent, based on a minimum shipment of 2,500 barrels, with freight to be paid on 2,500 barrels if a lesser quantity is shipped. Rate order 279 is cancelled.

Soda Hydrosulphide — November production was 1,869,000 pounds, against 1,811,000 pounds in October. Stocks at the end of November were 1,157,000 pounds, compared with 1,119,000 pounds at the close of the preceding month.

Tin—Because of the present critical shortage of tin, all outstanding authorizations issued by WPB before September 1, 1944, permitting the use of tin in any form in the manufacture of products and articles otherwise

For Current prices see alphabetical listing beginning on page 9.

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prohibited in former orders are cancelled as of January 31, 1945. The current use of tin will be regulated by order M-43. Office of War Information reports 2,000 tons of tin are awaiting shipping instructions from France.

Acids

Lactic—Production of the technical variety in November stood at 315,170 pounds compared with 315,525 pounds in October. Stocks at the end of November were placed at 243,012 pounds against 289,097 pounds at the end of October.

Muriatic — November production was placed at 35,106 tons compared with 34,454 tons in October. Stocks at the close of November were 3,590 tons against 3,261 tons at the end of October.

Nitric—November output was 42,571 tons against 41,955 tons in October. Stocks at the end of November were 6,249 tons, compared with 5,795 tons for the preceding month.

Oxalic—Production remained in a well sold ahead position with shipments delayed through traffic congestion. November output was placed at 1,550,344 pounds, compared with 1,565,560 pounds in October. Stocks were down to 349,778 pounds at the end of November, the lowest level recorded for any month in 1944. Stocks at the end of October were 427,520 pounds.

Phosphoric—November production amounted to 54,588 tons, 50 percent H_3PO_4, compared with 52,487 tons for October. Stocks at the end of the month of November were given as 11,684 tons against 12,892 tons at the end of October.

Sulphuric—Delayed shipments resulting from stormbound bottlenecks have aggravated the consuming situation to some extent, the superphosphate producers having suffered possibly more than other manufacturers. The movement continued under WPB regulation.

Alumina Metaphosphate Base of New Glass

The Monsanto Chemical Company, St. Louis, plans volume production of aluminum metaphosphate, and predicts that the material will open new horizons to glass manufacturers. With aluminum metaphosphate, it says, can be manufactured glass which transmits a substantially greater amount of ultra-violet light and its accompanying vitamin D than is the case with ordinary glass.

The company suggests that postwar fluorescent lights may utilize phosphate glass because of its ultraviolet permeability, and that it also may be found useful in window panes for hospitals and solariums. Because they show less tendency to yield a haze, phosphate glasses are considered likely to afford a solution to certain optical problems associated with astronomy, photography, and related fields. These glasses are said to be better than ordinary glasses in weather resistance, color control, melting and working characteristics, and resistance to certain acids. Used in insulators, they permit extraordinarily low loss of electrical current.

Mining Aid Asked in Congress

The Reconstruction Finance Corporation would be directed to set up a fund of $25,000,000 from which loans would be made for the rehabilitation of mining, milling, or smelting operations which have been ordered closed down for the duration by the War Production Board, under the terms of a bill introduced in Congress by Representative Clair Engle of California. The bill (H. R. 1768) has been referred to the banking and currency committee.

TAPPI Medal to Scribner

The 1945 gold medal of the Technical Association of the Pulp and Paper Industry has been awarded to Bourdon W. Scribner, chief of the paper section of the National Bureau of Standards, Washington. Because the annual meeting of the association has been cancelled, special arrangements for the presentation of the medal will be made.

Victor Chemical Works, Mount Pleasant, Tenn., has received the Army-Navy "E" production award for the fifth time.

Textile Research Inst. Lays Plans for 1945

Decision to place major emphasis during 1945 on fundamental and applied research and the publication of a scientific journal was reached at a meeting of the board of directors of Textile Research Institute, Inc., held January 19.

The special committee found widespread general approval of the broad five-point program by which the institute has been pursuing its purpose. The board moved that the present program for applied research be pursued vigorously and expanded; that the building at Princeton be made ready at the earliest possible moment for occupancy by the Textile Foundation Research Group and by institute research workers; and that the magazine, Textile Research, be transformed immediately into a scientific journal. It also moved that the economic research and graduate training be pursued to the extent that funds are available.

The report to the members stated that the committee's studies and the board's action were necessarily affected by the resignations of Fessenden S. Blanchard and Douglas G. Woolf, president and first vice-president, respectively.

Mr. Woolf informed the board October 26, 1944, of his desire to sever his connection with the Institute not later than June 1, 1945, in order to remove his family to California and to devote him time to writing, in line with plans which he has long had in mind. Mr. Blanchard submitted his resignation to the board on December 1, 1944, because of his desire to return from the Institute to the industrial field. Both resignations were accepted by the directors with expressions of extreme regret and of appreciation for the loyal services rendered to the Institute, and the board asked Mr. Blanchard and Mr. Woolf to continue on the staff until June 30, 1945, the former to devote his time to membership work, and the latter to the direction of the economic study being conducted at Princeton by the Institute for the Textile Foundation. Both were asked to continue as directors.

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Steel Barrel Output Higher in November

Production of heavy steel barrels and drums in November, 1944, was 1,658,894, compared with 1,574,815 for October, 1944 and 2,522,466 for November, 1943, according to the Bureau of Census. Shipments were 1,664,686 for November, 1944, as against 1,565,158 for October, 1944, and 2,527,454 for November, 1943. Stocks at the end of the month totaled 51,673. Output of light type steel barrels and drums in November, 1944, reached 592,167, compared with 346,969 last year. Shipments were 579,409 for November, 1944, compared with 470,615 for October, 1944, and 336,688 for November, 1943, while unfilled orders at the end of the month were 1,401,243.

Republic Steel Benzol Unit Damaged by Fire

The benzol division of the Corrigan-McKinney Works of the Republic Steel Corporation, Cleveland, was damaged by fire January 30. Company officials place the loss at several thousand dollars. No one was injured.

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Current Market Quotations

—Continued from page 31

Z

Dust,[6] bbls., c.l., dlvd.	lb.	.1035-	—
l.c.l., works	lb.	.1135-	—
Fluoride, bbls.	lb.	.25 -	.30
Hydrosulphite, dms., works.	lb.	.16 -	—
Iodide, NF, bots.	lb.	4.68 -	4.75
jars	lb.	4.40 -	—
Laurate, bbls.	lb.	.32 -	.33
Metal,[1,2,5] (quotations in Protective Coatings market report).			
Naphthenate, 8%-10% Zn, 50-gal. dms.	lb.	.16 -	.19½
Oxide, pigment, dom., acicular,[6] bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
American process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
leaded, 5%, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd.	lb.	.07¾-	—
35% or more, bgs., c.l., dlvd.	lb.	.07 -	—
l.c.l., dlvd.	lb.	.07¼-	—
French process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
green seal, bgs., c.l., dlvd.,	lb.	.09 -	—
l.c.l., dlvd.	lb.	.09¼-	—
red seal, bgs., c.l., dlvd.	lb.	.08½-	—
l.c.l., dlvd.	lb.	.08¾-	—
white seal, bgs., c.l., dlvd.	lb.	.09½-	—
l.c.l., dlvd.	lb.	.09¾-	—
USP,[6] 50-lb. ctns., c.l.	lb.	.10½-	—
l.c.l.	lb.	.10¾-	—
Zinc oxide Pac. coast prices ½c. higher. Bbl. prices ½c. higher than bgs.			
Resinate, 8.7% Zn, 100-lb. dms.	lb.	.14½-	—
fused, pale, bbls.	lb.	.11 -	.12
precipitated, dms., dlvd.	lb.	.15 -	—
Silicofluoride, bbls.	lb.	.15 -	.16
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 -	—
ton lots, frt. equald.	lb.	.30 -	—
smaller lots, frt. equald.	lb.	.31 -	—
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l., wks., frt. alld.	100 lbs.	3.40 -	—
l.c.l.	100 lbs.	4.15 -	—
flake, bgs., c.l.	100 lbs.	3.80 -	—
l.c.l.	100 lbs.	4.55 -	—
powd., bgs., c.l.	100 lbs.	5.35 -	—
l.c.l.	100 lbs.	6.10 -	—
Zinc sulphate in bbls., 25c. higher.			
Sulphide,[1,5] pure, bgs., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd.	lb.	.08½-	—
bbls., c.l., dlvd.	lb.	.08½-	—
l.c.l. dlvd.	lb.	.08¾-	—
barium pigment, bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
calcium pigment, bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
fluorescent, pigment, works, frt. alld.	lb.	.90 -	1.00
magnesium pigment, bgs., c.l., dlvd.	lb.	.05¾-	—
l.c.l., dlvd.	lb.	.06 -	—
Zinc sulphide Pac. coast prices ¼c. higher. Bbl. prices ¼c. higher than bgs.			
Sulphocarbolate, NF, bbls., dms.	lb.	.28 -	.31
Tallate, 5% Zn, 50-gal. dms.	lb.	.09¾-	—
Yellow (see Yellow, zinc).			
Zinc-ammonia chloride, dms., cl., works.	100 lbs.	5.65 -	—
l.c.l., works	100 lbs.	6.70 -	—
Zinc-cadmium sulphide, fluorescent, works, frt. alld.	lb.	2.50 -	2.85
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 -	—
l.c.l., dlvd. E. of Rockies.	lb.	.06¼-	—
dlvd. Pac. cst.	lb.	.06½-	—
ex whse., Pac. cst.	lb.	.07 -	—
Zirconium hydride, cns., works.	lb.	7.00 -	8.00
Nitrate, kgs., works	lb.	3.00 -	4.00
Oxide, crude, 70-75%, grd., bbls., works.	ton.	75.00 -	100.00
ex whse., Pac. cst.	lb.	.07 -	—
white, 99%, grd., kgs., works,	lb.	1.80 -	2.00

Consolidated Chemicals Names Koester Vice-Pres.

William C. Koester has been elected a vice-president of the Consolidated Chemical Industries, Inc., San Francisco.

Nuodex to Get 'E'

Nuodex Products Company, Elizabeth, N. J., plant will be awarded an Army-Navy "E" February 23.

Murray-Williams Color Chemical Now Partnership

Murray-Williams Color & Chemical Company, Inc., New York, was recently voluntarily dissolved but was succeeded by the Murray-Williams Color & Chemical Company. The REPORTER in the January 29 issue failed to name the successor company. The new company, Murray-Williams Color & Chemical Company, will have the same management and personnel as Murray-Williams Color & Chemical Company, Inc., and will continue to maintain its offices and warehouse at 14-16 Vandewater street, New York.

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Coaltar Chemicals

Effects of congested transportation conditions brought about by the heavy snowfall were still apparent in the market for coaltar chemicals, although progress was made in restoring situation toward its former basis. Delays have retarded shipments and a lot of January material will come through this month. There was no easement reported in the demand for basic products. Government withdrawals of benzol, naphthalene, toluol and xylol kept inventories definitely tight for civilian use. WPB stated that military demand for benzol toluol and phthalic anhydride was so great that it was questionable if sufficient intermediates could be made available to satisfy quotas. The call for naphthalene was exceedingly active with production under pressure while reports were current of ways and means being discussed over the possibility of procuring more tar oil to augment output. Demand has expanded for some of the hydrogenated solvents, cyclohexanone in particular feeling the impact of broad buying, with the supply somewhat short of consuming requests.

Steel operations for the week beginning January 29 were scheduel at 90.1 percent of ingot capacity, compared with 92.6 percent for the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 95.8 percent. The current schedule is equivalent to a production of 1,625,000 net tons of ingots and castings for the week, compared with 1,670,300 tons for the preceding week and 1,734,000 tons for the corresponding week in 1944. The decline in operations last week reflected the very severe cold weather as well as the fuel shortage.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	129.2

Basic Products

Benzol—Maintenance of heavy demand for military and other essential uses has prevented any improvement in the supply position. The movement has been interrupted by the traffic congestion resulting from the recent heavy snows and the shortage of manpower. Market closed in a definitely tight position.

Coaltar—War Shipping Administration has announced its approval for a new rate order covering transportation charges. Under order 313, crude coke-oven tar in bulk by tankcar from U. S. Atlantic ports to Gulf ports, a rate of three-eighths cent per gallon, plus a surcharge of 21 percent, is allowed. Rate order 280 has been cancelled.

Creosote Oil—WSA rate order 309 reads the same as in crude coke-oven tar and refers to creosote. Rate order 276 has been cancelled. Production has kept pace with demand for this material and the market was reported on even beam.

Cresylic Acid—Reported tight under a continued heavy demand. Steady movement of both domestic and imported material into essential consuming channels prevented easement in supply position. Production of crude in November was 2,259,341 pounds against 1,988,290 pounds in October, according to the Chemicals Bureau. Stocks at the end of November were 736,186 pounds, compared with 977,348 pounds at the end of October.

Naphthalene—Continued heavy demand kept production under pressure while the supply situation remained definitely tight. While the trade expects a larger production later on this year, there was no indication of any easement in the near future. An arrival of a small quantity of crude naphthalene was reported. November production was placed by the Chemicals Bureau at 8,427,345 pounds of coke oven less than 79 degrees C. compared with 8,127,569 pounds in October. Stocks at the close of November were 1,966,740 pounds against 2,550,640 at the end of October.

Phenol—Market situation reported tight under a steady miscellaneous consuming inquiry. Stringency in benzol discouraging to any expansion in phenol output. Makers of plastics and plasticizers well represented in current movement.

Toluol—Military withdrawals pressing production and instrumental in keeping the supply position tight. Not much chance of improvement until military call subsides.

Xylol—Reported under pressure for military use. Civilian supply limited with demand active for blending and for use in the manufacture of protective coatings.

Chicago, Feb. 2.—Trade in coaltar bases was quiet and little changed in general character. Buying has shown a tendency to hold at fairly extensive levels currently. Benzol market interest was still good. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon; 15c. per gallon; toluol, 2-degree, same basis, 28c. per gallon; industrial xylol, same basis, 27c.; 10-degree xylol, same basis, 30c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Recent improvement noted in demand for cyclohexanone has continued and trade reports indicate that demand was exceeding the supply limit. The call was reported to be for specific requirements affiliated with materials for war use. This buying has also been reflected in the movement of cyclohexanol, which is the base for cyclohexanone.

Coaltar Acids

Broenner's — Deliveries to regular consumers constituted the major part of the week's movement. Production has not been broad enough to permit surplus inventories.

Fumaric — Sustained activity at plants producing plastics and resins has been reflected in a steady demand for this acid. Low inventories have left the market in a tight position.

H—No apparent easement in supply position. Regular consumers are calling for material about as rapidly as produced.

Maleic—Current inquiry covered a rather broad field although the major part of demand emanated from the manufacturers of synthetic resins. More material could have been used if available.

Sulphanilic—Reported to be passing readily into regular consuming channels. The movement has pressed output, thereby preventing excess stocks.

Tobias — Supply position reported tight under a steady call for use in the manufacture of dyestuffs. The market remained firm on the basis of previous quotations.

Other Intermediates

Anilin—While more of this material could have been used last month, production continued as large as manpower would allow. Nearly all requests for the basic material, benzol, were approved last month. The rapid movement of available material has prevented any easement in the market's supply position.

Anthracene — Subjected to rather broad consuming inquiry covering essential industries and including alazarine dyestuffs. Demand far enough ahead of production to prevent any surplus inventories.

Dimethylanilin—Reported firm with supply limited. Demand taking ma-

Coke By-Products

Estimates of by-product coke-oven operations in the week ended Jan. 27 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,112,996
Ammonia sulphate	lbs.	28,820,745
Benzol	gals.	3,631,883
Coaltar	gals.	13,473,113
Creosote oil	gals.	749,808
Naphthalene	lbs.	1,780,794
Phenol	lbs.	210,884
Toluol	gals.	726,377
Xylol	gals.	164,021

For Current prices see alphabetical listing beginning on page 9.

OPD—2-5-1945

Koppers offers three closely-cut tar base fractions distilling above Pyridine and below 160°C.—

1. Refined alpha-Picoline distilling completely within 2°C.
2. Refined 2,4 Lutidine distilling 95% (2-97%) within 2°C.
3. Refined mixed Picolines distilling 90% within 3°C.

3 Closely-cut Tar Base Fractions

Properties (Pure Compounds)

	Alpha-Picoline	*2,4 Lutidine*
Molecular Weight	93.12	107.15
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Boiling Point	128.8°C.	158.3°C.
Specific Gravities at 25°/4°C.	0.940	0.927
State	Liquid	Liquid

3° Refined mixed Picolines consist of approximately 1/3 each of beta-Picoline, gamma-Picoline and 2,6 Lutidine; true boiling points 143.8°C., 143.1°C. and 143°C. respectively.

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Alpha-Picoline, beta-Picoline, gamma-Picoline and 2,6 Lutidine are very soluble in water and completely miscible with alcohol and ethyl ether. Refined 2,4 Lutidine is soluble to the extent of about 20% in water and very soluble in most organic solvents such as alcohols, hydrocarbons, ketones and ethers.

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terial about as rapidly as available. Tight position of basic product holding down production.

Nitrobenzene — Essential requirements fairly well covered, but benzol stringency prevented an increase in output.

Orthocresol — Moved principally into plastic channels, with some reaching the manufacturers of insecticides. Shipments under WPB regulations.

Paradichlorobenzene — Production heavily under contract to insecticide trade. Stocks definitely short for nearby shipments.

Phthalic Andrydride — Reported in exceedingly heavy demand indirectly for the war effort through synthetic resin channels. Supply position definitely tight with possible easement in sight through increased production during early spring months.

Coaltar Colors

Dyestuffs and organic pigments covered by order M-103 have been discussed by WPB, and it was pointed out that the military demand for phthalic anhydride, benzol and toluol was so great that it was questionable if sufficient intermediates would be made available to satisfy quotas now permitted by that order. It was suggested that if these conditions persisted it would be necessary to reduce the quota.

Washington Talks It Over

—Continued from page 5

ing on research at the present time, the committee does not say. It reports only that the precise information is not available, but it is thought that the expenditures are large. The omission of this estimate from the report is believed to be significant in some quarters since the subcommittee is headed by, and the foreword to the report was written by, Senator Harley Kilgore of West Virginia, who has been pushing for a bill on mobilization of technological development and research over the opposition of industry.

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Protective Coatings Materials

Although badly handicapped by the latest and severest of the squeezes to which they have been subjected in their allowances of linseed oil for the making of civilian paints and varnishes, the American manufacturers of protective coatings are still in receipt of enough war orders, for the production of which all the requisite materials are free from restrictions, to assure for them a continuance of a record-breaking aggregate volume of business until the termination of the war in Europe.

Meanwhile, because of the cut in their drying oils quota to 50 percent of their base period consumption in the first quarter of this year and their inability to reduce the oil content of the government authorized formulations below the prescribed specifications while also pinched in their allotments of white lead, these paint and varnish makers are generally being forced to curtail their output of interior as well as exterior coatings designed for civilian use. But, in order to avoid a greatly decreased aggregate production of coatings, they are in many instances eliminating numerous special items, such as enamels, undercoaters, sealers and both oil and varnish stains and are having recourse to more extensive manufacture of water-emulsion and rosin-emulsion type paints while also turning to the production of floor and interior varnishes to the extent that they can obtain the synthetic resins needed as ingredients for these products.

The new War Food Administration's order 124, limiting individual inventories of linseed oil to one-third the quantity used in the previous calendar quarter and prohibiting users from purchasing or contracting to buy this oil beyond a 90-day's supply is also imposing handicaps on the paint maker's operations.

Metallic Lead and Zinc

With domestic production of metallic lead continuing to run at levels considerably below the current aggregate military and civilian requirements and with no likelihood of relief from importations, in the immediate or nearby future, there is little likelihood of any easing of the restrictions on civilian uses imposed by WPB's conservation regulation M-284 for some time to come.

Quotations for pig lead have remained unaltered for the week January 26-February 2 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Because of the increasingly heavy requirements of the military establishment, stocks of slab zinc continue to be held down to such relatively small proportions as to necessitate continuance of the need for priority ratings for the purchase of these slabs, despite the existence of a plethora of zinc ore and concentrates and a moderate outturn of slabs by the American refineries.

Prices for slab zinc have continued unchanged for the week January 26-February 2 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Argentine Casein Imports Licensed

OPD Washington Bureau

Licenses for the importation of additional quantities of casein from Argentina for the period from February 1 to June 1 have been issued to importers, it was announced February 1 by the War Production Board. Officials refused to disclose the quantity involved, beyond the general statement that the licenses provide for bringing in of an "average" amount of the material.

The last time licenses were issued was for the period from September 1 to December 31. No licenses were granted for the month of January. Officials said that, because of difficulties of shipping, the supplies of casein are tightening up and it is now becoming necessary to give closer attention to the inventory position of distributors and users.

Market Trends

Prices Advanced

Alphapinene, ½c. per gal.
Gum turpentine, 1½c. per gal.
Mercury oxides, red and yellow, 13c. per lb.
Quicksilver, vermilion, 25c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Pigments

White Lead—With military requirements making heavy drains upon the available supply of basic carbonate and basic sulphate white leads, it is still feared that, although civilian use allocations run to an annual rate of 16 percent of the base period consumption while the military quota is figured at only 14 percent, the necessary preference given to the priority ratings granted on military orders will leave only sub-quota quantities available for civilian use.

Zinc Oxides—Leadfree grades of zinc oxide continue under strict allocation control and hence virtually unobtainable for any save military procurement purposes. Leaded grades, while free from this control, are in light supply, with their situation tightened further by the drains made upon them by consumers of white pigments unable to obtain allocations of corroders' grade of pig lead.

Fillers and Extenders

Asbestos—Both Canadian and domestic materials continue moving steadily into consuming channels. Because of adequate stocks and a reduction in military requirements, WPB has removed manufactured asbestos from import control.

Mica—Although the demand from paint makers for the wetground and finely pulverized grades of scrap mica is still a trifle less spirited than had been expected at this season of the year, the buying movement in these grades appears to be stabilized at around the somewhat lowered level now prevailing. Dryground mica is also moving steadily but in somewhat diminished volume.

Dry and Chemical Colors

Carbon Black—In a strong effort to prevent the now-threatened wiping out of inventories of channel blacks and to preserve necessary supplies for all essential purposes, the War Production Board has announced that its recently adopted strict enduse allocation policy has been put into effect in making its February allocations. In accordance with this policy, consumers' requests for each type of black will be compared with requirements from its rubber bureau for the same end item, so that this bureau's requirements will be determined from known production schedules.

Chrome Colors—Although it is recognized that the new lead restriction order M-384 in no way limits the production of the chrome pigments, inasmuch as these colors are still controlled by order M-370, considerable regret is being currently expressed over the shortage of zinc chromate yellow, which cannot be greatly relieved through an increase in its production unless more chrome chemicals and labor can be secured, albeit present plant facilities would then suffice for that purpose.

Mercury Oxide—In further reflection of recent additional upswings in the market for mercury, prices of the technical grades of both red and yellow mercury oxides have been marked up by their manufacturers to the extent of 13c. per pound in each instance, making their revised quotations $2.73 for red in 10,000-pound lots at works and $2.75 in smaller lots, and

For Current prices see alphabetical listing beginning on page 9.

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A-75	B-75	C-75	D-100	E-100	
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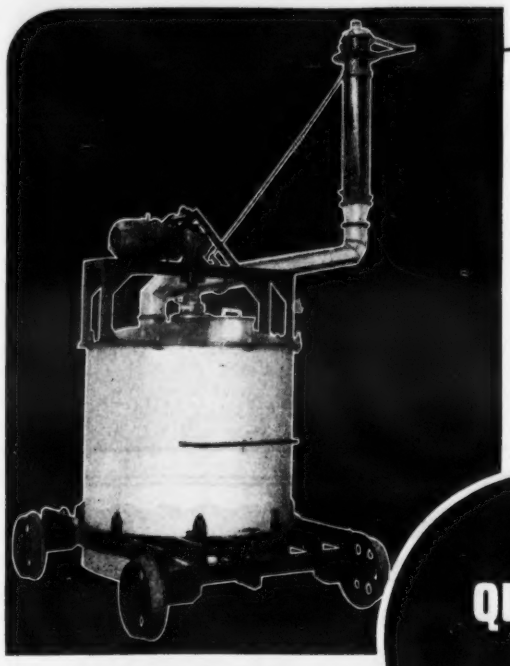

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those for yellow, $2.56 in 1,000-pound lots and $2.58 in smaller lots.

Vermilion—In belated recognition of the recent sharp upward movement of mercury, the leading manufacturer in the East of quicksilver vermilion has marked up the price of this color material to the extent of 25c. per pound to a new range of $2.75-$2.85, according to quantity.

Driers and Flatteners

Tallates—Moving in large volume into consuming channels, as the normal requirements are swelled by the needs of paint and varnish producers unable to obtain allocations of naphthenates. Capacities of most plants making the tallates are fairly well spoken for in backlogs of orders, but there remain a few makers of these driers still able to accept moderate-sized orders.

Stearates—Continue in brisk demand with the largest movements still noted in zinc, aluminum, calcium, barium and magnesium types. Most of the leading manufacturers of these flatteners are booked well ahead and few are now in a position to take on new business except for relatively small lots.

Lacquer Materials

Ethyl Acetate—Supply situation is continuing tight, although not as acutely so as a month or two ago, and held under close allocation control.

Methyl Acetate—Still being bought in fair-sized lots by paint and varnish makers unable to obtain ethyl acetate who have found it suitable as a solvent, despite its speedier action.

Naval Stores

Rosin—Paucity of offerings has been the principal feature of the market for gum rosin throughout the South this past week. Trading on the Savannah Exchange has come close to a standstill and, in the midst of a clamorous demand and proneness on the part of most producers to await announcement of the long-withheld uniform price ceilings on the various grades before entering into any more commitments, CCC has withdrawn all available stocks from the market, advising the trade that these are to be held for emergency relief purposes.

Savannah, Feb. 2.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$5.05	$5.05	$5.05	$5.05	$5.05
D	5.12	5.12	5.12	5.12	5.12
E	5.65	5.65	5.65	5.65	5.65
F	5.75	5.75	5.75	5.75	5.75
G	5.79	5.79	5.79	5.79	5.79
H	5.81	5.81	5.81	5.81	5.81
I	5.81	5.81	5.81	5.81	5.81
K	5.85	5.85	5.85	5.85	5.85
M	5.87	5.87	5.87	5.87	5.87
N	6.03	6.03	6.03	6.03	6.03
WG	6.28	6.28	6.28	6.28	6.28
WW	6.55	6.55	6.55	6.55	6.55
X	6.55	6.55	6.55	6.55	6.55
	Barrels				
Sales	52	...	24	...	21
Receipts	24	73	...	...	...
Shipments	...	210	210	400	222
Stocks	11,070	10,993	10,732	10,332	10,110

Turpentine—Despite the stormbound condition of many of the principal consuming regions, calls for large additional lots of gum turpentine have continued to grow to such sizable proportions as to necessitate a further heavy draft on CCC stocks. As the demand has become more clamorous, farmers and other distributors have stiffened their views on prices, with the result that quotations have been advanced three times this past week to the extent of a half cent per gallon each time, culminating in a total markup of one and a half cents per gallon and upward revision in the open market to 81c. per gallon in Savannah with the CCC parity likewise lifted to that same level.

Savannah, Feb. 2.—Following is a record of the market for the week:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Monday	80	750	...	60	24,094
Tuesday	80	...	187	210	24,261
Wednesday	80½	250	5	19	24,247
Thursday	80½	...	...	182	24,065
Friday	81	600	12	...	24,077

Synthetic Resins

Allyl Alcohol—In steadily increasing demand chiefly from synthetic resin processors and plastics manufacturers.

Ester Gum—In steadily growing demand and constantly mounting movement volume, now that glycerin is freed of allocation control and price schedules have been revised upward sufficiently to compensate for the increased costs of gum and wood rosins.

A list of synthetic resins quotations appears in this issue of OPD, beginning on page 31.

Varnish Gums

Asphaltum—Gilsonite and petroleum base gums continue moving in fair volume. Other types, most of which are in scanty supply, are also in moderate request.

Copal—With most of the recently arrived cargoes of gum copal from the Belgian Congo already contracted for and going into consuming channels as speedily as they can be unloaded and shipped out, the local market continues devoid of a well-rounded stock of these natural resins. Demand is still brisk but is going unsatisfied in numerous instances.

Shellac—Due to delays in the unloading of the four cargoes of shellac and seedlac which have recently reached the United States, consigned to private importers and processors, there has not yet been any material increase in American stocks of seedlac or the T. N. grade, both of which are urgently required for amplifying the output of the bleacheries. With no new offerings of these types by individual importers and little or none available from Defense Supplies Corporation stocks, production of bleached shellac continues rather light. Likewise, there is a notable lag in the outturn of cut white and orange shellacs, although the amount of denatured alcohol currently being allocated to the cutters is deemed adequate for treating the material now available for this purpose. Hence, demand for liquid shellac, though continuing keen, is going largely unsatisfied.

The four cargoes of shellac and seedlac referred to above have embraced a total of 1,025 tons, with the individual cargoes amounting to 292 tons, 355 tons, 220 tons and 158 tons, respectively.

Glues and Binders

Casein—Arrivals of two additional cargoes of Argentine casein, consisting of 23,510 bagfuls with a combined weight of approximately 1,499 tons, have failed to ease the supply situation in the United States to any marked degree and the local market continues to exhibit considerable firmness, with the current quotations for the Argentine acid-processed material still held at 18c. to 18½c. per pound.

An authority on casein production in Argentina reports that country's exports of casein for 1944 as showing an increase of more than 600 percent in the first half of last year over those for the corresponding period of 1943, reaching an aggregate for the first six months of 17,700 tons, as compared with 2,900 tons for the similar period in 1943.

Although formal announcement has been made by WPB that licenses for the importation of additional quantities of casein from Argentina have been granted for the period from February 1 to June 1, the exact quantity thus authorized for importation has not been disclosed save for the cryptic statement that the licenses provide for bringing in an "average" amount. Last year, authorized importations ran to 24,000 tons.

Glues—Exigencies of the intensified warfare in Europe and the Pacific are necessitating the setting aside of much larger quantities of both hide and processed bone glues than were required for that purpose last year, with the result that WPB's allocations to consumers are showing a 20 percent cut from those granted only a month ago.

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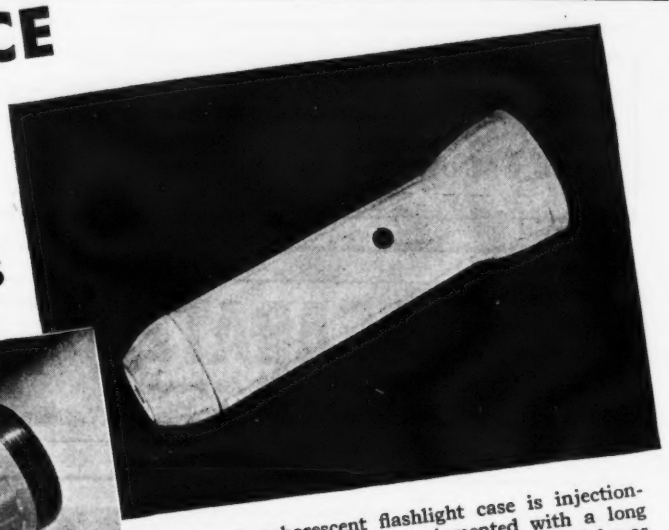

This phosphorescent flashlight case is injection-molded cellulose acetate pigmented with a long afterglow phosphorescent pigment. Exposed for as little as 5 minutes to daylight or strong artificial light, this case will continue to glow in the dark with a lavender color that is visible to the dark-adapted eye for a period of 8 to 10 hours. Its daylight color is a creamy white. The lens cap shown here is a transparent, non-phosphorescent red.

LUMINESCENT PIGMENTS have proved their commercial value in a number of war applications—in paints, paper, plastics, printing inks and coated textiles. Many *new* postwar applications are indicated as a result of their success. The phosphorescent plastic flashlight case, shown above, is but one. Others include such practical commercial applications as:

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Automotive accessories
Cord pulls (lights and window shades)
Decorative floor, furniture and wall coverings
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Electric switch plates, fixtures and equipment
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Paint Clubs News

—Continued from page 7

and guests. William A. Gerhardt, of Reichhold Chemical Company, was elected treasurer. Phil Hamilton, of the Aluminum Company of America, presented two pictures, "Mine to Metal" and "Fabricating Processes." Henry Greenhood, of the Bakelite Corporation, spoke on "Resin Baking Finishes—A Modern Tool of the Paint Maker."

Louisville

F. B. Steig, of the Titanium Pigments Company, was the guest speaker at the January meeting of the Louisville Paint and Varnish Production Club, at which there were fifty-three members and guests present. He spoke on "Interior Emulsion Paints," tracing the usual development from casein paints and the objections found were the complicated number of ingredients, equipment maintained at 180 degrees F, and the use of colloid mills and especially that there was formed a continuous casein film containing oil and globules. Such films, it was held, are water absorbent, and exhibit suction on recoating.

Philadelphia

The twenty-fifth anniversary of the founding of the Philadelphia Paint and Varnish Production Club was observed at the December meeting. William Werner, president of the club in 1925, introduced former presidents. He also described the growth of the club since its inception. William Koch, of the Hercules Powder Company, talked on "High Solid Nitrocellulose Lacquers."

SALVAGE WASTE PAPER

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Agricultural Chemicals

The Lemke bill to regulate the registration, manufacture, labeling and inspection of fertilizer and fertilizer materials shipped in interstate commerce has been reintroduced in Congress as H.R. 1823, and has been referred again to the house committee on agriculture which failed to take any action on the similar proposal a year ago. The new bill is fundamentally the same as the old measure with only a few clarifying changes in language.

Maximum retail prices for a new Canadian grade of ammonia nitrate, containing one unit of nitrogen more per ton than the old grade were announced by OPA. The action, effective February 6, also includes several minor corrections in the regulation covering fertilizers. The new grade now being offered to mixers contains 33.5 percent nitrogen. In the Northern and Eastern sections of the country, ammonia nitrate will cost $1.70 more a ton at retail than the old 32.5 percent grade. Since it can be shipped at the same rate as the old grade and involves no more handling cost, the net price to the farmer per unit of nitrogen is reduced about one cent by introduction of the higher analysis grade.

Movement of fertilizers in the South is reported to have shown improvement during the past week, although shipments are below those of a year ago at this time. Plant labor has curtailed production of mixed goods while orders on hand are reported above those of 1944. In the local and Eastern areas the shortage of superphosphate has assumed a more definite stage, demand showing a greater tendency to overlap the supply limit.

Nitrogenates

Ammonia Sulphate — Snowbound freights have delayed shipments of this material and according to trade reports a lot of January stock will come through this month. Demand was reported active with WPB regulating sales. Aside from the inconveniences brought about by the recent storm, reports were heard of a shortage of box cars at producing plants.

Bone Meal—Buying interest has continued fairly active with sales reported at ceiling figures. Offerings generally were limited with the market leaning toward its former tight position. The city of Cleveland, Ohio, will hold a sale, February 9, of bones to be disposed of from the department of public health and welfare.

Castor Pomace—No easement in the supply situation could be noted although reports were current that crushing operations were on a somewhat broader scale owing to the resumption of activities in a plant recently closed down. Demand remained active and exceeded the supply limit.

Dried Blood—Buying interest from the feed trade increased last week and demand seemed to have expanded beyond the available supply limit. Buyers experienced difficulty in locating any offerings for nearby shipment.

Fish Meal — Reported definitely scarce with very little offered in the East or West. Demand in some sections was described as urgent.

Hoof Meal—Not much around on account of restricted production. Occasional carlots have reached the market at former ceiling levels.

Soda Nitrate—Importations of this material have continued. One recent arrival included a 7,000 ton lot. Demand for both imported and domestic nitrate was reported active with material being shipped to consumers as rapidly as available.

Tankage—Domestic production has found a steady outlet into feeding channels. There was not much additional stock obtainable last week and sellers found little difficulty in maintaining ceiling levels.

Phosphates

Phosphate Rock—Mine shipments have been sufficient to meet requirements of acidulators. The movement has been occasionally aggravated by a shortage of box cars, but in general deliveries were satisfactory. Importations have continued to reach the market, the latest amounting to over 12,000,000 pounds.

Superphosphate — Demand seemed to be edging further away from the restricted production level while the supply situation has become tighter. Output has been cutback primarily by the manpower shortage and secondly by the amount of sulphuric acid available. According to trade reports there are no surplus inventories at any point in the Eastern area.

Potashes

Supply situation in muriate has remained favorable under steady production. The movement has met with some interruption coming East through the freight congestion due to the recent storm. Inquiry has been well sustained with the sulphate supply definitely short.

Sulphur and Pyrites

Heavy demand for sulphur has continued to feature the market, with no apparent indication of a lessening of inquiry either for industrial or agricultural requirements. The movement from mines remained steady with an adequate supply to permit prompt shipments. A total of 8,525 metric tons of sulphur were shipped to France during January. Spanish pyrites remained quiet with prices unchanged.

Insecticides

Calcium arsenate production in November was placed at 2,038,000 pounds compared with 608,000 pounds in October. Stocks at the end of November were 14,549,000 pounds against 13,075,000 pounds at the close of October.

Cuban advices state that experiments with sulphur dusting for the control of peanut leafspot were conducted successfully in Santa Clara province in central Cuba during the 1944 season. The yield of peanuts increased 34 percent for the Spanish type and 49 percent for the China type. For the first dusting, the rate of application was 12 pounds per acre, while the second and third dustings 19 pounds each were used, making a total of 50 pounds per acre for the complete treatment.

Markets at Other Centers

Atlanta, Feb. 2.—While the movement of fertilizers to farms in the South is reported picking up, it is still short of the 1944 movement. Production is hindered by delay in the movement of fertilizers and by difficulties in maintaining a full supply of laborers at plants. Orders are reported greater than last year, showing, it is thought, that farmers intend to offset their shortage of labor as much as possible by heavier fertilization in an effort to reach crop goals. Higher analysis fertilizers than formerly are reflected in farmers' orders. The growing tendency of farmers to exchange cotton seed for cottonseed meal is considered one of the reasons for the scarcity of this source of organic nitrogen.

Baltimore, Feb. 2.—Superphosphate.—The complaint among manufacturer is concentrated on the labor problem. Operators say that workers will put in only three days of the week, when they can make enough to carry them over, beyond which need they seem to have no incentive to work. Consequently, while there is no increase in the number of applicants in the factories, those who do apply put in only half time. Production, therefore, continues much under demand, and the government seems disinclined to apply any pressure. All of the producers could turn out much more, if the man-power was available. As matters stand, the output is substantially below the capacity of the plants. The ceiling stands at 65 cents, Baltimore, Md.

Chicago, Feb. 2.—Trade in nitrogenous fertilizer materials was quiet and rather steady. Buying has followed mostly a rather set routine pattern. Inquiry has been good, and supplies evidently are not overly large. Blood was steady. Tankage was quiet. Bone materials reflected a continuation of considerable interest on the part of buyers. Drier Blood—Principal grade, $5.53 per unit of ammonia. Tankage—Feeding grade, $5.53 per unit; hoof meal, $4.25 to $4.50; liquid, $1.75 to $2, tankcar. Bone Materials—Ground, steamed bone, 3 and 50 percent, $35 to $36 per ton; cattle jaws, skulls and Knuckles, $45 per ton; dry, rendered tankage, hard pressed, $1.25 per unit; 50 percent meat and bone scraps, $68 to $70.

Los Angeles, Feb. 2.—Trading in organics has been relatively quiet and market attention remains focused here on the nitrogenous materials, which are very tight. Fish meal held firm but trading was largely at a standstill because of negligible offerings, and poor fishing conditions restricted production of meal. Ruling prices are:—Ammonia Nitrate—Named at $65 per ton with freight allowances up to $4.40 per ton from production plant. Ammonia Phosphate—$48 per ton for 16/20 grade and $57 for 11/48 delivered at the California plant. Ammonia Sulphate—Quoted at $38 per ton with freight allowances up to $4.40 per ton from California plant. Canadian material on same basis. Fish Meal—Quoted at $77.50 per ton in cars for 67 percent protein California sardine meal, f.o.b. production plant, plus $2 merchandising.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

Fertilizer Materials

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Metalloy Ups Output Of Lithium Salts

Metalloy Corporation, Minneapolis, Minn., recently completed the erection of new buildings and installation of new equipment increasing the total production of lithium salts at this plant. Operation of the plan started originally in 1942 for the production of lithium chloride exclusively. The new facilities will allow for large-scale production of lithium carbonate, lithium fluoride, and lithium hydroxide in addition to the lithium chloride originally produced. Ore for the operation is obtained from the company's nearby South Dakota mines.

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Entomologists Elect

The American Association of Economic Entomologists, in its fifty-sixth annual meeting, elected the following officers for 1945:—President, D. L. Van Dine, Washington; vice-president, T. H. Frison, Urbana, Ill.; secretary-treasurer, Ernest N. Cory, College Park, Md.

At the same time, the Entomological Society of America, in its thirty-ninth annual meeting, elected the following:—President, J. A. G. Rehn, Philadelphia; secretary-treasurer, Herbert H. Ross.

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Oils, Fats, and Waxes

Highlight of the week in the oils and fats market was the active trading in crude menhaden and sardine oils. Reports from the Pacific coast stated that two-thirds of next season's production of sardine oil which begins in August was contracted for at the prevailing ceiling. Business in crude menhaden oil also was of good volume for next season's output which starts in May at the ceiling. This was another indication of the tight future supply situation in oils and fats which prompted buyers to cover requirements so far ahead.

Interest in paint oils has broadened considerably of late. An excellent demand for tung oil was noted during the week, with paint manufacturers purchasing tankcars and sizable drum lots at current ceilings. Another advance took place in oiticica oil of a cent per pound owing to reduced supplies on the spot and the lack of offerings from Brazil. Linseed oil crushers who were filling orders for one and two drums as an accommodation were compelled to discontinue owing the reduced holdings of oil.

Ceiling prices for the 1944 crop of soybeans that are to be processed for oil were announced effective January 27 by the Office of Price Administration, and have been established with the concurrence of the War Food Administration. Top price to producers of the base grade U. S. No. 2, 14 percent moisture, yellow and green has been fixed at $2.10 a bushel. This price takes into account the Commodity Credit Corporation support price for the 1944 crop of $2.04 a bushel, plus six cents a bushel for storage and carrying charges. Maximums for U. S. No. 2, class 3 brown, 4 black, and 5 mixed, have been established at $1.90 a bushel. Prices for other grades are on a basis identical with that of prices fixed in CCC contracts with crushers. In addition, this action allows country elevators a mark-up of 5 cents a bushel for handling, and merchandisers are permitted a mark-up of 2½ cents a bushel if they unload at a terminal storage, and one cent in all other cases.

Market Trends

Prices Advanced

Oiticica oil, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	193.3	195.3

Cottonseed Oil

There were no sales in the futures market during the week. Offerings continued scarce and prices were maintained at ceilings. The call for edible oil continued active against allocation. Production of crude oil was sold well ahead and demand was unsatisfied. Offerings were restricted to occasional tankcars, which were absorbed at ceilings.

Industrial users of rationed foods who began using lard, shortening, or salad and cooking oils during the 1944-45 period when they were point-free may obtain point allotments for these items by applying to their local War Price and Rationing Boards, the Office of Price Administration announced. Application may be made any time between February 2 and February 20, 1945.

The applicant must also file with OPA a report of his inventory of these items as of the close of business February 3, 1945. New industrial users will be given allotments for amounts equivalent to those authorized for industrial user establishments on the basis of 1942 base period use. Established industrial users get allotments of fats and oils which are the equivalent of 100 percent of their 1942 base period use.

Bleachable oil prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
March	....	....	14.31 bid
May	....	....	14.31 bid
July	....	....	14.00-14.31
September	....	....	14.00-14.31
October	....	....	13.70-14.05
December	....	....	13.60-14.00

Total sales, none.

Cash, 14.31c. nom.

Crude, Southeast, 12¾c.; Valley, 12¾c.; Texas, 12c. (all ceiling prices).

Memphis, Feb. 1—Crude cottonseed oil was steady. Most mills sold well ahead. Sales of occasional tankcars were reported at ceilings for nearby shipment. Cottonseed meal sold up and in excellent demand. Bulk of production delivered to the Southern users. Soybean meal also in good call, with offerings limited to forward delivery.

Linseed Oil

Because of existing uneven distribution of linseed oil among users, the War Food Administration has issued WFO No. 124 limiting individual inventories to one-third of the quantity used in the previous calendar quarter, effective January 31. For further details see news story.

Scarcity of oil in the local market has become more pronounced and sellers who accommodated regular customers with one and two drums were compelled to discontinue owing to the reduced stocks in warehouse. Crushers were restricting operations to covering demand for oil against prior contracts. Market was firm and unchanged.

Stocks of flaxseed in store and afloat in domestic markets totaled 2,650,000 bushels last week, comparing with 2,876,000 bushels the previous week and 6,509,000 bushels a year ago, it was reported by WFA. Canadian bonded flaxseed in store and afloat in the United States last week was 702,000 bushels, the same amount the week previous, and 2,516,000 bushels a year ago.

Minneapolis, Jan. 31.—Shortage of tankcars presented some problem but in most cases the mills were unable to work on much business and found little trouble caused by the car shortage.

Shipments of linseed oil, in pounds, were as follows:—

	1945-44	1944-43
This week	3,980,000	4,080,000
Since Sept. 1	109,420,000	126,920,000

Flaxseed—Seed arrivals at western terminals limited to one to two cars daily. Crushers have limited supplies of seed on hand.

Minneapolis, Jan. 31.—Hemmed in by lack of cash supplies and further reduction of oil allowances to users, midwest

Oils, Fats Quotas For Soaps Reduced

OPD Washington Bureau

An amendment to WFO-42b reducing the quotas on fats and oils subject to regulation by the order which can be used in the manufacture of soaps was issued by the War Food Administration February 1.

The amendment provides that, during any calendar quarter, no manufacturer may now use more than 85 percent of the amount of fats and oils used in the base period 1940-41 for the manufacture of package and bar soap, nor more than 90 percent of the amount used in the base period for manufacture of bulk package soap. Previously the producers were limited to 90 percent and 110 percent respectively.

Another change in the regulation made by the amendment eliminates the provision that permitted manufacturers to count only 50 percent of the domestic vegetable oil foots used in computing the amount of fats and oils going into the manufacture of soap. As the paragraph is now written the 50 percent count applies only to washed, recovered linseed oil. Domestic vegetable oil foots must be counted at 100 percent.

For Current prices see alphabetical listing beginning on page 9.

crushers were looking forward to a rather thin spring market.

Crop movement in bushels follows:—

	Receipts 1945-44	Receipts 1944-43	Shipments 1944-45	Shipments 1944-43
This week	25,500	240,000	19,500	43,500
Since Sept. 1	10,056,500	17,416,500	1,357,000	1,875,000

Flaxseed markets at Minneapolis and Duluth during the week were unchanged at $3.10 (ceiling) per bushel for spot and forward deliveries.

Buenos Aires, Feb. 2.—No flaxseed shipments were made during the past week. Visible supply of seed was placed at 4,134,000 bushels. Argentine flaxseed was quoted at $2.26⅛ per bushel, nominal.

Hull, Feb. 2.—Bombay, £33, January; Calcutta, £31, January; La Plata not quoted.

Other Vegetable Oils

Castor Dehydrated — This market continued firm, with demand excellent for prompt and forward requirements. Production sold well ahead and makers restricting offerings. Prices were strong at ceilings.

Copra—Receipts were reported totaling 5,353 tons, which were delivered to crushers on allocation.

Oiticica—Active demand, limited supplies on spot and inability to obtain oil for shipment from Brazil further strengthened the market, and quotations were advanced 1c. per pound. Carlots were boosted to 21½c. per pound in drums and smaller lots to 22c. on spot. Sales were noted at the latter figure. Offerings for prompt and nearby shipment from Brazil were nil, and futures where quoted at 21c. landed New York. Receipts totaled 3,480 drums, the bulk of which were for delivery against former contracts.

Cottonseed—Receipts of 1,219 drums were noted and consigned to consumers on allocations.

Soybean—Inquiry was keen, but business was light owing to the scarcity of offerings. Sales for future delivery were confined to scattered carlots. Quotations held at ceilings.

Tung—Difficulty of obtaining other paint oils and the removal of quota allowance has increased the demand for tung. Trading has materially improved, with paint manufacturers purchasing tankcars as well as drums in sizable lots at ceilings.

Fats and Greases

Greases—Keen demand for all grades in the market, but trading limited owing to the scarcity of supplies. Production sold well ahead. Consumers inventories in many quarters were low. Prices firm at ceilings. The city of Cleveland, Ohio, will hold a sale February 9 of the grease to be disposed of from the department of health and welfare.

Lard — The balance of 20,000,000 pounds of off-condition prime steam lard recently offered to soapmakers was purchased at 11.04c. per pound, loose, Ivorydale, it was reported by the War Food Administration. Chicago lard stocks on January 31 were 10,023,427 pounds, against 16,524,000 pounds, January 1, and 38,023,700 pounds, January 31, last year. Lard purchases totaling 4,236,400 pounds at 14.30c. to 16.23c. per pound, f.o.b. works, were reported by the War Food Administration, January 16. Shipments of 5,396 tons of lard were made to France from the United States for civilian use during January, according to the Office of War Information. The procurement of 25,000 tons also has been arranged through government agencies to build a stockpile for export to France for non-military consumption.

Tallow—Firmness featured this market. Demand exceeds the supply, and sales were confined to occasional carlots. Inquiry for all grades continued keen. Quotations were well held at ceilings.

Fish Oils

Menhaden—Trading was active for crude oil and business of a good volume was transacted for next seasons' oil, production of which starts in May. Refined oils also were in keen demand with producers reducing offerings. Prices were strong at ceilings.

Baltimore, Jan. 31—Menhaden fishing boats off North Carolina continued to operate up to the end of January, and were reported to have made good hauls, far better than those at any previous time this season. During the week demand for oil has been active, with potential buyers ready to purchase crude oil at 8.9c. per pound, so that there has been a real incentive for the fishing operations to be kept up. In fact, a number of orders on a when-and-if-made have already been booked, and the number is increasing.

Sardine—An excellent demand for sardine oil resulted in the booking of contracts for two-thirds of the next seasons' production which starts next August. Purchases were made at current ceilings. Consuming demand for refined continued active, with sellers only offering limited quantities. Advices from the Pacific coast reported light catch of fish of late. Fishing was resumed last week.

Los Angeles, Jan. 31—Crude sardine oil was in demand this week at the ceiling. The California Sardine Products Institute reports there were 631,299 gallons of oil produced during the month of December, 1944, bringing the total to 5,421,215 gallons for the 1944 season.

Fatty Acids

Red Oil — Consuming inquiry continued active, but trading was limited to small quantities owing to the scarcity of supplies. Deliveries were delayed by the congested railroad situation. Quotations were unchanged and strong.

Stearic Acid—With production sold well ahead, and a marked scarcity of pressing stock, manufacturers were compelled to restrict offerings to small lots. Prices were well at ceilings.

Cake and Meal

Cottonseed Meal—The bulk of the production of meal was moving steadily into consuming channels in the South. Demand was keen, but offerings were limited owing the output sold well ahead.

Linseed Meal — Demand exceeds supply. Soybean meal in increased request as protein substitute.

Minneapolis, Jan. 31.—Meal demand continued far above market's ability to supply and every pound of meal produced ran to consuming channels at a great rate.

Shipments of linseed meal in pounds were as follows:—

	1945-44	1944-43
This week	5,220,000	12,060,000
Since Sept. 1	18,546,000	38,760,000

Soybean Meal — Inquiry was active in the South for nearby delivery. Offerings were mainly for future positions with earlier deliveries sold well ahead. Advices from the West report an excellent request as a substitute for linseed meal.

Waxes

Beeswax—Offerings from producing centers continued limited resulting in an unsatisfied demand. Consumers

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were showing considerable interest in nearby and forward replacements. Prices were firm at ceilings. Receipts were reported at 310 bags for delivery on prior contracts.

London, Feb. 2.—Beeswax distribution now on one-hundred percent basis for approved 1938-39 users. Home distribution still controlled by the association, export by supply ministry.

Carnauba—While receipts were reported at 5,320 bags, contracts for this material were placed months ago and none was available for resale. Tight supply conditions continue to dominate the Brazilian market. Exporters were not offering wax for shipment claiming that shortage and the higher cost of labor has affected the production and delivery of wax to seaboard. Inflation also was a deterrent factor in the market.

Ouricury — Moderate trading for shipments at ceilings was noted during the week. Scarcity of cargo space at primary centers continued to delay shipments. Prices were steady at ceilings.

Harry Soffer Quits

—Continued from page 7

versity School of Law, Mr. Soffer has long been prominent in the paint and varnish industry. In 1936 and 1937 he served as regional vice-president of the National Paint, Varnish & Lacquer Association for the Eastern zone, and in 1944 served as secretary of the New York Paint, Varnish & Lacquer Association. As delegate of the National Paint, Varnish & Lacquer Association to the United States Chamber of Commerce and as a member of the legislative committee of the National Association of Manufacturers, he has represented the paint industry in its wider relation with other industries.

Roxalin Names Schwencke Plastics Research Head

Roxalin Flexible Finishes, Inc., Elizabeth, N. J., has named Dr. Edmond H. Schwencke as director of plastic research. Dr. Schwencke's academic training in the plastics field includes study at the Sorbonne and at Cambridge University, England.

WFA Directors Named To Succeed Marshall

OPD Washington Bureau

War Food Administrator Marvin Jones announced the resignation of Lee Marshall who leaves WFA to return to private business. Since the previously announced reorganization of January 1, Mr. Marshall has been director of the Office of Marketing Services and vice-president and director of supply of the Commodity Credit Corporation.

C. W. Kitchen has been named to succeed Mr. Marshall as director of the Office of Marketing Services, and Lt. Col. Ralph W. Olmstead has been appointed to succeed Mr. Marshall as vice-president and director of supply of the CCC. Carl C. Farrington, as provided in the reorganization, is vice-president and director of basic commodities of the CCC. The CCC is headed by Frank Hancock whose appointment as president was announced December 15.

Loomis Fire Causes $15,000 Damage

Fire believed to have started from an electric heater in the stencilling room of a storehouse of the W. H. Loomis Talc Corporation, Gouverneur, N. Y., January 4 caused a damage estimated between $15,000 and $18,000.

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Textile and Leather Chemicals

Business in leather and textile chemicals was limited last week owing to the scarcity of most materials. Inquiry for nearby and future requirements continued active and prices were firm at ceilings. The tight supply situation in basic raw materials has steadily become more pronounced. In sizing materials the use of corn starch as a substitute for potato starch and tapioca flour showed an appreciable increase.

The trade awaited the decision of the Office of Price Administration regarding the adjustment of the price ceiling covering ground and liquid quebracho extract—which was expected during the next week. Consuming interest in quebracho extract was active. Other tanstuffs commanding buyers' attention were divi-divi, myrobalans, wattle bark and extract.

Although Argentina's 1944-45 wool clip is estimated at 230,000 metric tons, compared with 235,000 metric tons in 1943-44, it is believed that the quality will be somewhat inferior, the Department of Commerce reported. Heavy losses of sheep in Australia as the result of one of the severest droughts in its history, have led to expectations that the current season's production of wool will be below that of last year despite the fact the number of sheep last March were at record levels. A decline of about 10 percent in wool production was expected for the season beginning September 1, 1944, according to the Department of Agriculture.

Chemicals

Aluminum Chloride—Production of anhydrous and crystals totaled 5,406,000 pounds and solution 32° Be 944,000 pounds during November. Stocks at the end of that month were 3,105,000 pounds and 399,000 pounds, respectively, according to Bureau of Census.

Bichromates—Market firm, with demand active for quantities allocated for military and civilian use. Production of soda bichromate and chromate totaled 6,685 short tons during November and stocks in at producing plants were 780 tons at the end of that month. Output of potash bichromate and chromate was 486,000 pounds in November with stocks at producers plants totaling 515,000 pounds, it was reported by Bureau of Census.

Soda Hydrosulphite — Production during November amounted to 3,098,000 pounds against 3,317,000 pounds in October. Stocks at producers plants were 2,243,000 pounds at the end of November, according to Bureau of Census.

Dyestuffs

Annatto—Trading was light but quotations were steady and unchanged. Supplies locally were small.

Hematine—Small lots were moving steadily against previous orders. Supplies were not liberal.

Logwood — Consumers were purchasing for prompt requirements. Quotations were well held.

Sizing Materials

Albumen Blood — Conditions continued steady with demand moderate for prompt requirements. Prices firm at ceilings. Demand for soluble dried blood has improved for use as an extender of phenolic and urea resins for plywood lamination. Production was adequate to cover current requirements.

Albumen, Egg—This market continued steady under light supplies on the spot. Sales continued confined to small lots. Granular was quoted at $2 per pound in barrels and powdered at $2.05 for spot delivery. OPA price ceilings were sharply reduced February 1, but did not affect the market because business of late has been transacted below ceilings. New production was expected to start late in February or early in March, depending upon weather conditions. Dried egg production during December totaled 10,227,000 pounds, slightly less than one-half of the quantity produced in December last year. Approximately 80 per cent of the dried egg produced was obtained from frozen and storage shell eggs. Preliminary estimates of dried egg production during 1944 totaled 319,763,000 pounds, compared with 261,972,000 pounds during 1943—an increase of 22 percent.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
284.0	284.0	284.0	266.9

Egg Yolk—Light supplies continued to feature this market. Inquiry was active with business mainly for small lots. Prices were firm and held at ceilings. OPA ceilings for February for dried eggs were reduced to $1.06 per pound, in barrels, for 3,000 pounds and over. Small quantities were quoted from $1.12 to $1.16 per pound on spot, according to seller.

Starch, Corn—Demand against former orders continued active during the week. Railroad embargos were lifted during the week and deliveries were gradually improving. Purchases of powdered and pearl corn starch totaling 5,505,000 pounds at 3.70c. and 3.85c. per pound, in bags, f.o.b. Pekin, Ill., were reported January 17 by WFA. Visible supply of corn increased 2,294,000 bushels during the week ended January 27, totaling 17,696,000 bushels, comparing with 16,714,000 bushels a year ago.

Starch, Potato—Scarcity of supplies continued to restrict trading. Sellers limited offerings to small lots to their regular trade. Production was smaller owing to the reduced quantity of potatoes delivered to mills. Prices were strong at ceilings.

Tapioca Flour—Because of the inability to secure supplies, the spot market was quiet and entirely nominal at ceilings. Offerings for shipment from Brazil continued scarce with holders at primary centers quoting above import ceilings, making business impossible. Receipts were reported at 1,750 bags, which were delivered on prior contracts.

Tanning Materials

Divi-Divi—While trading was reported light, the market continued firm. Offerings for shipment were closely held at prices above buyers' ideas, resulting in limited transactions. Consuming inquiry was quite active.

Mangrove Bark — Cable advices stated that primary markets were steady, despite quiet trading. Offerings were not liberal but adequate to cover current demand. Prices were firm at current levels. Consumers were showing moderate interest in future deliveries.

Myrobalans — The supply situation has become tighter and offerings for shipment were limited. Quotations were firm and unchanged. Consuming inquiry for future requirements was fairly active. Receipts totaled 37 tons and 7,786 bags for consignment against former contracts.

Quebracho—Tanners were showing an active inquiry for solid extract for nearby and forward shipment. Business was restricted owing to light offerings from producing centers. Prices were firm at the recent advance. Interest in ground and liquid extracts was active. Producers and consumers were awaiting the adjustment of price ceilings which was expected to be announced by OPA shortly.

Tara Powder — Trading continued inactive. Limited quantities on the spot were held at former levels, with consumers showing no interest.

Wattle Bark — Users were in the market for bark and extract for nearby and forward requirements, but trading was quiet owing to the lack of offerings from primary centers. Recent advices stated that exporters were unable to offer until July because of the scarcity of available stocks. Consumers' inventories were reported low. Receipts of bark totaled 1,602 tons and extract 112 tons for delivery against former contracts.

For Current prices see alphabetical listing beginning on page 9.

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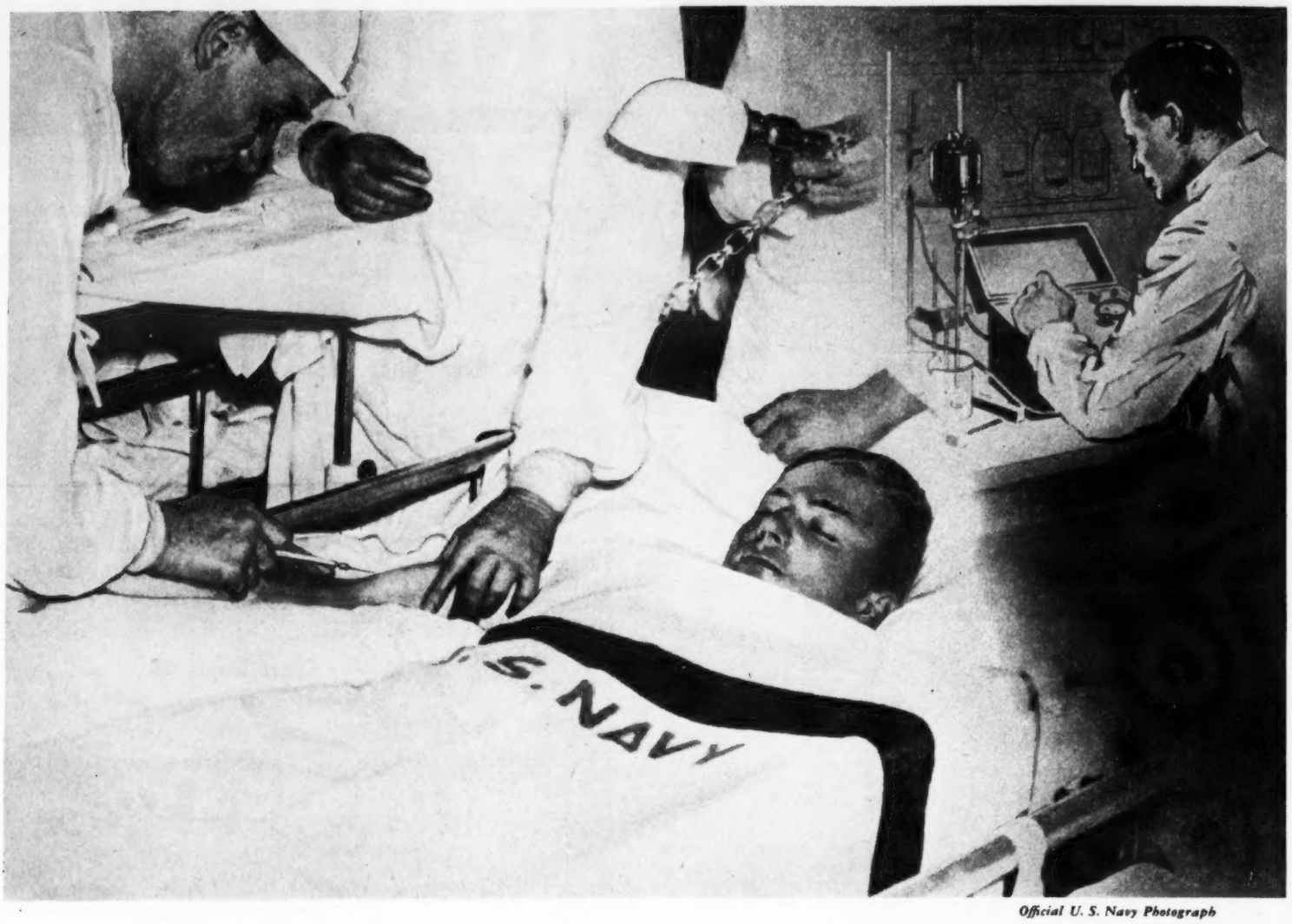

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Drugs and Fine Chemicals

The major price development in the drug and fine chemical market last week was the substantial advance in quotations on derivatives, the result of further rise in the cost of quicksilver, the basic raw material. Of the derivatives, only citrine ointment and 10 percent mercurial ointment remained unchanged. During the period, the Bureau of the Census released data concerning synthetic and natural methanol production for the period January-November, and the chemical division of the U. S. Tariff Commission gave similar data on acetanilide, acetylsalicylic acid, butyl acetate, diethyl ether, ethyl acetate, phenobarbital and sodium salts, riboflavin, and sulpha drugs.

Quicksilver appeared to be well on its way to its ceiling price and the higher levels of values certainly do not produce offerings of larger supplies. Production runs behind requirements and consumers have to draw on the government stockpile. The rise in mercury derivatives was a sympathetic development with special strength being noted in technical red oxide.

Menthol was quiet on spot. Little trading was a natural situation in view of the forthcoming new crop in Brazil. Importers, consumers, and dealers here hope for lower prices and buyers reflect their hope by abstaining from other than absolutely necessary purchases. One importer says the crop will reach here late, will be smaller than expected, and looks for a return of spot prices to ceiling levels.

Production of synthetic methanol in November increased 692,000 gallons and stocks at the month-end were up 537,000 gallons over October. In natural methanol, production was down 21,462 gallons and stocks were off 3,766 gallons.

Acetanilide—The U. S. Tariff Commission reported November 30 stocks as 305,133 pounds.

Acetone—Producers reported the supply situation as exceptionally tight when comparison was made with the essential needs stemming from the war program. There is little or nothing available for civilians.

Acid, Acetylsalicylic — November production was 774,291 pounds; month-end stocks, 910,071 pounds.

Acid, Ascorbic—Deliveries were on an excellent basis and all requirements were being met satisfactorily and with a deal of promptness. Freeing the item from allocation restrictions has not resulted adversely.

Acid, Camphoric—Supplies were comparatively light and some distributors were unable to take further business. Prices were strong. Demand was limited to small lots.

Acid, Citric—The larger consumers get little and are likely to get less before more production becomes available for other than strictly essential requirements.

Acid, Gluconic—Business was moderate in size and producers appeared able to meet the most essential of present requirements. Prices displayed complete stability.

Acid, Nicotinic—Lend-lease takings in 1944 totaled 47,157 pounds and producers suggest continuation of substantial diversion of production in that direction.

Ammonia Benzoate—The supply situation was on the tight side and the undertone of the market was strong in all respects. Demand was about level with normal expectations.

Ammonia Bromide — Showing a somewhat more stable market position with the margin that had permitted competition in terms of prices considerably reduced by the recent fall in quotations.

Amyl Acetate—Movement maintained steadily due to the presence of important consumer requirements. The undertone of the market was very steady throughout the period.

Amyl Chlorides—Mixed chlorides maintain a well stabilized price position, having been unchanged for an extremely long period of time.

Antipyrene—Consumption was along satisfactory lines and contributed much to the sturdy price position noted for some time past. Fair reserves were a protection against substantial increase in requirements.

Market Trends

Prices Advanced

Blue mass, 4c. per lb.
Calomel, 12c. per lb.
Corrosive sublimate, 9c. per lb.
Mercurial ointment, 30%, 3c. per lb.
50%, 5c. per lb.
Mercury bisulphate, 8c. per lb.
Cyanide, 10c. per lb.
Iodide, red, 8c. per lb.
yellow, 8c. per lb.
Oxide, red, technical, 13c. per lb.
yellow, technical, 13c. per lb.
N.F., 13c. per lb.
Mercury and chalk, 4c. per lb.
Quicksilver, $10 per flask.
Red precipitate, 13c. per lb.
White precipitate, 10c. per lb.

Prices Reduced

Sulphoguanidin, $1 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
233.1	232.4	230.4	243.9

Blue Mass — Quotations were advanced 4c. per pound, making mass $1.58 to $1.75 per pound and powder $1.61 to $1.75. The advance was forced by a rising cost of production based on high and still higher prices prevailing for quicksilver.

Bromoform—This article is still unchanged in price, notwithstanding lower prices recently established on raw materials.

Butyl Acetate — November output, normal material, was 5,401,955 pounds; month-end stocks, 3,190,524 pounds.

Calcium Acetate—Since production of natural methanol runs comparatively low in this country, stocks of acetate are on the short side and find ready, even eager, buyers at all times.

Calomel—Prices were advanced 12c. per pound to over a higher production based on quicksilver at its most recent advance. Quotations became $2.56 to $2.57 per pound.

Castor Oil—Consumption of oil continued active and needs showed no reduction. Stocks of beans gained by 14,169,000 pounds, bringing the total since January 1 to 24,080,750 pounds. That total compares with 33,025,950 pounds of record for the corresponding period in 1944.

Chicago, Feb. 1.—Quiet but firm market conditions are reported in castor oil. Considerable interest is reported on the part of buyers. Prices are:—Cold pressed, U.S.P., returnable drums, carlots, 14½c. per pound; drums, less than carlots; 15¼c.; tanks, 13¾c.; No. 3, extracted, returnable drums, carlots, 14¾c.; drums, less than carlots, 15c.; tanks, 13½c.

Corrosive Sublimate—Prices were advanced 9c. per pound as the result of quicksilver cost having risen further. New quotations were:—Crystals, $2.16 per pound; granular or powder, $2.01.

Cream of Tartar—An understanding of the supply situation is gained from the fact that foreign material is understood to have changed hands here at prices identical with those asked by the domestic manufacturers. There seems to be room for both suppliers.

Creosote Carbonate — In good request, which was along seasonal lines and found not too much material available for its satisfaction. Prices were completely stable.

Cyclopropane—The U.S.P. material held at 27c. per gallon, and sellers reported that while stocks were available, containers pose a real problem in meeting the requirements of buyers. The item is packed in cylinders.

Diethyl Ether — November output, 6,952,897 pounds; month-end stocks, 4,479,340 pounds.

Ethyl Acetate—November production was 10,266,097 pounds. Month-end stocks, 4,872,993 pounds.

Fishliver Oils—Continued strong at all points with satisfaction of demand made increasingly difficult by the insufficiency of raw material supplies reaching the processors. Vitamin A natural oils having a potency of less than 6,000 U.S.P. units per gram may continue to be sold to industrial users under present prices until maximum prices are issued, according to OPA.

San Francisco, Jan. 31.—Because the supply of fish livers has been and still is extremely short the market has been very quiet, with little trading reported. Some livers are being imported from

For Current prices see alphabetical listing beginning on page 9.

55 OPD—2-5-1945

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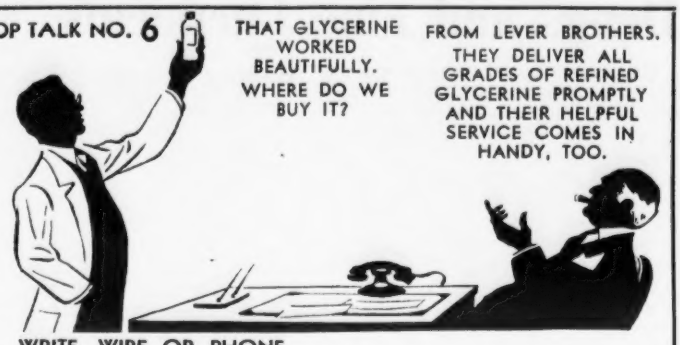

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Mexico but the supply is far short of demand.

Glycerin—Conditions changed very little. Stocks of refined material were sufficient for all civilian requirements and no restrictions on sales existed. Crude was being well absorbed by the refiners, contributing some strength to prices for the same. Lend-lease is expected to take important quantities in the future. The War Food Administration report on deliveries in 1944 under lend-lease engagements with the Allies made no mention of glycerin.

Chicago, Feb. 1.—Glycerin is reported in moderately good supply, while buyers are showing considerable continuing interest in the market. Movement is moderate. Ruling prices are:—Chemically pure, tankcar, 15c. per pound; drums, carlots, 15c.; drums, less than carlots, 15¾c.; high gravity, tankcar, 14¼c.; drums, carlots, 14½c.; drums, less than carlots, 15c.

Mercurial Ointment — Strong was raised 5c. per pound to the basis of $1.69 to $1.71 per pound to cover an advancing cost of quicksilver. The 10 percent was unchanged; 30 percent, up 3c. to the basis of $1.23 to $1.34.

Mercury Bisulphate — Priced 8c. higher at $2.45 to $2.47 per pound.

Mercury Cyanide—Advanced 10c. to $2.72 per pound.

Mercury Iodide—Raised 8c. per pound. Red became $4.38 per pound; yellow, $4.48. Higher production cost forced the development.

Mercury Oxide—All oxides were 13c. per pound higher because of a rise in quicksilver prices. Red, technical was moved up to $2.73 per pound in 1,000 pound lots; smaller quantities, $2.75; N.F., $2.90 to $2.92; yellow, technical, 1,000 pound lots, $2.56; smaller lots, $2.58; N.F., $3.07 to $3.09.

Mercury and Chalk—Advanced 4c., making the market $1.59 to $1.61 per pound in drums.

Methanol—Data relating to production and stocks of synthetic and natural methanol and covering the period of January—November, 1944, were released as follows by the Bureau of the Census:—

Methanol Production: Jan.-Nov.

	Gallons	
	Synthetic 100%	Natural 80%
January	6,607,000	324,611
February	5,419,000	347,439
March	6,270,000	360,536
April	6,320,000	340,614
May	6,694,000	364,434
June	6,363,000	341,003
July	5,838,000	314,709
August	4,849,000	319,337
September	5,435,000	333,781
October	5,671,000	382,462
November	6,363,000	361,000
Totals	65,429,000	3,789,986
Stocks, Nov. 30	2,388,000	260,000
Oct. 31	1,851,000	263,766

In terms of 100 percent purity, production of natural methanol in the January-November period would be approximately 2,349,791 gallons, which compares with the output of 65,429,000 gallons of synthetic methanol of 100 percent purity.

Phenobarbital and Sodium Salts—November production was 22,463 pounds and month-end stocks totaled 45,045 pounds.

Quicksilver—Prices on the Pacific Coast were reported at $170 per flask minimum, which would make a spot New York price about $175. But there is practically no spot metal available for normal spot transactions and any price was nominal in that sense.

San Francisco, Jan. 31.—The quicksilver market retained its strong tone here this week with little spot metal being offered. Metal was quoted between $170 and $180 per flask, f.o.b. this city. Prices are expected to hit the ceiling.

Riboflavin — November production was unrevealed in the latest report of the U. S. Tariff Commission, but stocks at the month-end were 34,211 pounds.

Sulpha Drugs—November production was 319,527 pounds, and stocks at the month-end totaled 834,100 pounds.

White Precipitate—A further rise in quicksilver prices forced an upward revision in this derivative. The revision upward was 10c. per pound, setting a market at $2.60 per pound.

Penicillin Lecture Postponed

Dr. George S. Avery, director of the Brooklyn Botanic Garden, has announced that the January lecture in the garden's course, "Recent Discoveries in Plant Science," has been postponed until February 21, at 8 p.m. The lecture will be given by Dr. W. J. Robbins, director of the New York Botanical Garden, and the subject will be "Penicillin and Similar Substances."

Small Business Postwar Plan Is Submitted

OPD Washington Bureau

The progress report of the senate small business committee stated January 29 that the "surest safeguard for continuing and perfecting a free competitive enterprise system" would be for the government to assure small business a prominent place in the postwar economy. The committee outlined these recommendations for aiding the operator of small business:—

1. Legislation to extend the life of the smaller war plants corporation, due to expire in July, 1945.

2. A program for reconversion loan financing to reach not only small manufacturers, but small distributors, and to include revision of the excess-profits tax and provisions for investment pools to provide risk capital.

3. Disposal of $16,500,000,000 of government-financed war plants and equipment so small business will have an opportunity to buy some of the smaller plants.

4. A program to make scientific research, technological advances and management, advertising and merchandising techniques available to small business by licensing government-owned patents, and making scientific services of educational institutions and private industry available for use by small concerns.

5. A foreign trade program, including a place for small business. This should make data and guidance on foreign marketing, production, credit, transportation, import and export regulations available and understandable to the small exporter and importer.

6. Continued operation of new facilities and industries built in the West and South during the war so these regions cannot again be "denuded of their population and mulcted of their natural resources" by the rest of the country.

7. A constructive national mining program to keep small operators in production by building up a reserve metals stockpile.

8. Reduction of the "onerous" paper work for small business by restricting the number of government forms.

9. Legislation and administrative action to revive and expand construction activity after the war.

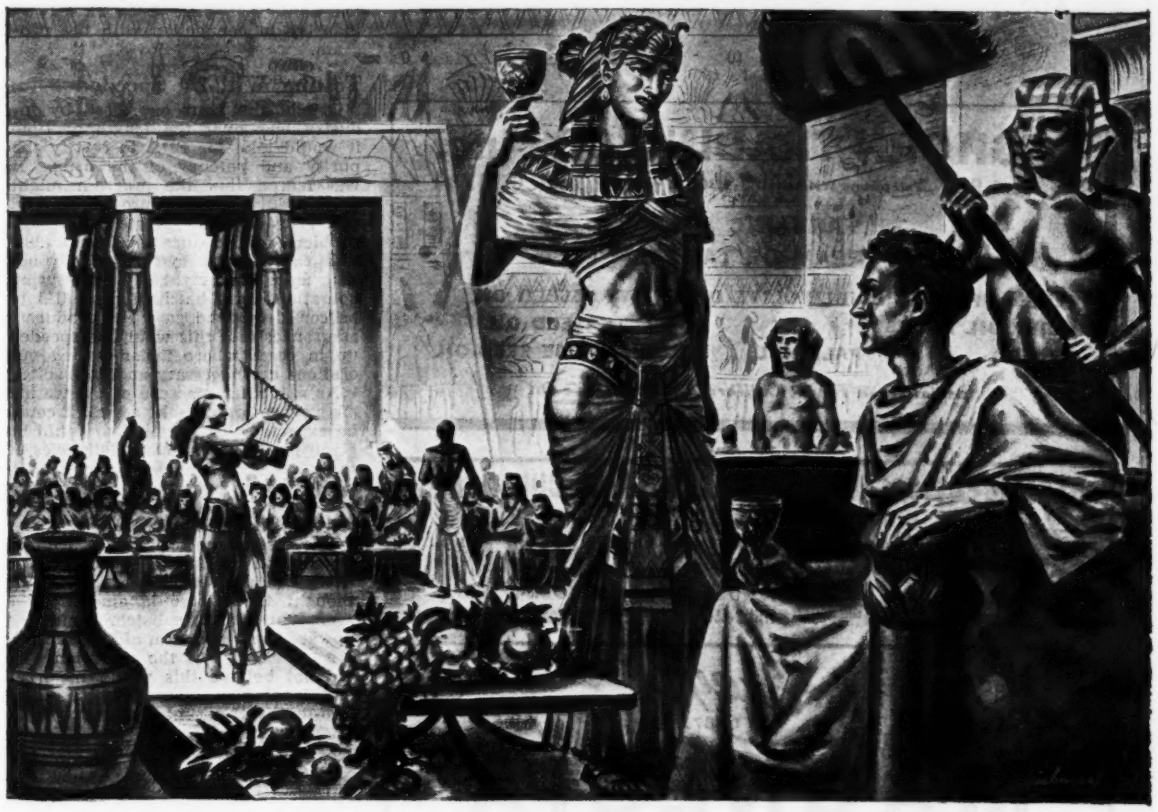
H. R. Smalley, chief agronomist for the National Fertilizer Association, is in Doctor's Hospital, Washington, following an operation for cholecystitis.

OPA Oil Refiners Advisory Group to Meet

Representatives of twenty-two oil refineries have been invited to attend an organizational meeting of the newly appointed National Refiners' Industry Advisory Committee at the Office of Price Administration in Washington, D. C., February 20.

OPA will discuss with this group the recommendation of the House Select Committee on Small Business that a study be made of the operating costs of the oil refiners to determine their ability to absorb any general price increase to oil producers that may be shown to be required. Cost studies of oil producers are now under way to decide if existing crude oil price ceilings are arequate or if an industry-wide increase is needed.

The National Refiners' Industry Advisory Committee consists of representatives of eleven major oil refiners and eleven independent refiners. The personnel of the committee includes specialists in the field of refinery production, economics and marketing.



Cleopatra Drinks Her Pearl

WHEN, at a banquet in his honor, Mark Antony expressed his amazement over the costliness of the festivities, Cleopatra replied by dissolving a pearl valued at five million sisterii in a cup of mild acid, and drinking to the health of the Roman triumvir with the words: "My draught to Antony shall far exceed this!"

Although it had been known since ancient times that substances consisting largely of calcium salts would dissolve in acids, it was not until 1854, when Bunsen worked on calcium, that the properties of this element were established. Therewith the door was opened to the vast commercial production of calcium salts for medicine, pharmacy and industrial chemistry.

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Penicillin Pretesting

—Continued from page 3

culties now facing the holding of any large meetings because of the order of the Office of Defense Transportation against conventions, it also has been decided not to hold the industry conference previously scheduled to discuss the details of the proposed legislation.

,Instead, he continued, he now proposes to issue a public statement next week outlining the aims of FDA and the reasons why it is felt that pretesting of penicillin will be necessary, together with a draft of the bill proposed to be submitted to Congress. He will ask the several drug associations to acquaint their members with the statement and bill and to gather from them their reactions to the legislation. These are then to be submitted to FDA for consideration and the making of any changes in the bill which might seem necessary.

The FDA program was one of the principle topics taken up at the meeting of the Penicillin Producers Industry Advisory Committee with the War Production Board, January 30. Dr. Dunbar addressed the meeting, discussing the purposes of the legislation and sought to answer some of the questions that have been raised by industry in connection with the program.

Testing Will Be Speeded

One of the fears expressed by industry was over the length of time it would take for FDA to certify the purity and potency of the drug. It was feared that the program might tend unduly to delay production and deliveries and to create a storage problem for producers. Dr. Dunbar said that at the most it would not take more than eight days for testing operations on a batch of penicillin to be completed and gave the producers assurances that this would be speeded up in cases where faster testing operations are necessary and desirable.

As a further measure of alleviating the storage problem, he added, it could be expected that permission would be given producers to make deliveries of untested penicillin to their branch houses, to be held there until testing operations are completed before being released to the public.

The cost of the service, Dr. Dunbar stated, will be limited to the amount necessary to maintain the service. He thought that it would amount to a minimum of $10 per batch, graduating upward to a maximum of $25, depending on the size of the operation. He did not believe this would mean an additional cost more than of about two-tenths of a cent per ampul.

Exemptions Probable

Dr. Dunbar said that he had no objection to the proposal of manufacturers that provision be made for exemption of penicillin from the certification requirement under certain conditions, because, he said, he could see the probability that conditions will arise where certification will be unnecessary. In time, he said, the industry may be producing crystalin penicillin with such definite and unchanging standards of purity and potency that protesting would only be a waste of effort.

He did not visualize the entire industry's reaching such development, however. The final steps in purification are costly and wasteful, he said, and some members of the industry might not consider it commercially desirable to produce the highly purified form of penicillin. Also, he continued, it is entirely probable that proprietary products containing penicillin will be coming on the market and it will be desirable to continue the certification of the penicillin so used.

Dr. Dunbar was gratified that the industry had withdrawn its objections to the program and promised to take industry into his complete confidence on any moves he might make on the plan. He pointed out that the certification of penicillin is not only in the public interest but is in the interest of the producers themselves, for it gives them the assurance that the product they place on the market is pure and of a high quality.

R. E. (Doc) Dorland, manager of the New York division of the Dow Chemical Company, Midland, Mich., has gone to Miami on holiday for several weeks.

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N.W.D.A. Sales

—Continued from page 4

well defined trading areas, each of which is more than 90 percent self-contained. The wholesale drug industry is responsible for the distribution of practically all of the medicines, drugs and health supplies of the nation, he said.

The thirty-six areas, with population and sales data, are defined on the distribution map, and additional market information by counties is contained in a supporting analysis which has been prepared as a handbook.

Mr. Newcomb said that the market information compiled by his group is so accurate that it can be used as a basis for planning sales campaigns, determining potential markets, setting sales quotas and measuring sales performance. The map is a revision of a study of distribution which the N.W.D.A. published in 1936, also in map form, he said.

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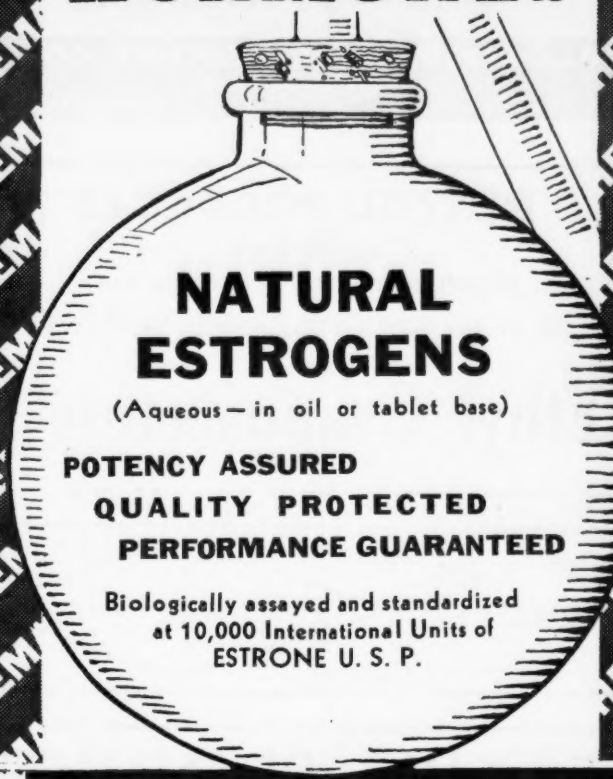

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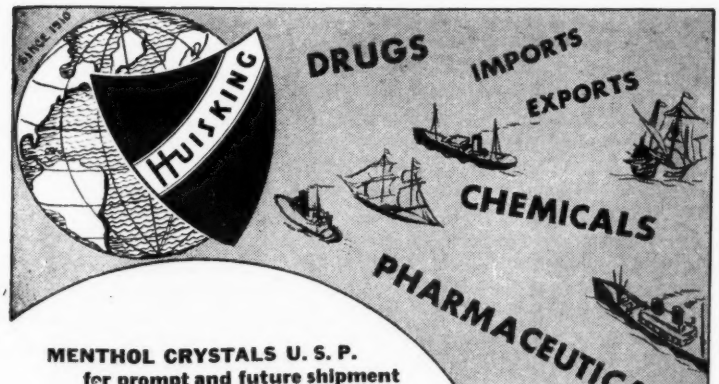

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Vitamin Research

—*Continued from page 3*

Basil O'Connor, of O'Connor & Farber, New York.

Advisory member:—To be named later to represent the public at large.

By-laws of the institute provide that after election members of the board of governors, except the advisory member, shall draw lots so that half will serve a two-year term and the other group a one-year term. Annual election shall be for half of the board. The board is expected to meet once a year.

The direct business and executive management of the institute shall be vested in an executive committee to be appointed from the membership at large by the board of governors. The executive committee shall elect its own chairman and appoint all other committees. The committee shall consist of the following: Four members of the professional group; two members from the consumer group, two members from the basic producers group; and the chairman of the board of governors, who shall be ex officio. Mr. Bobst will serve as first chairman of the committee. The executive secretary of the institute will be Henry K. Urion, of O'Connor & Farber, New York.

Charles Bowman, who had headed the planning committee, outlined the aims and intents of the Vitamin Research Institute as follows:

1. To promote and encourage the study of problems in nutrition, particularly as they relate to vitamins, toward the end that the health and welfare of mankind may be improved through better nutrition.

2. To initiate, promote, assist, develop, maintain, conduct and carry on, directly or indirectly, studies, investigations and research in any way relating to medicine and health and without limiting in any way the generality of the said purpose, in particular to initiate, promote, assist, develop, maintain, conduct and carry on, directly or indirectly, studies, investigations and research in any way relating to vitamins and any subject directly or indirectly related thereto.

3. To make voluntary contributions or grants of money from the funds of the institute at any time and from time to time to individuals, partnerships, corporations, organizations or institutions to conduct, carry on or continue any such studies, investigations and research.

4. To provide, establish and maintain scholarships, fellowships, and other aids or facilities for such studies, investigations and research.

5. To obtain, collect, disseminate and distribute to members of the vitamin industry, the professions, public health authorities, and educational institutions, information as to the quality, purposes, uses and effects of vitamins and their relation to nutrition and health.

6. To study, adopt and recommend proper standards and terminology for use in connection with the manufacture and sale of vitamin products.

7. To study, adopt and recommend standards of publicity practices for use in connection with the sale of vitamin products and to discourage improper practices in connection therewith.

8. To do each and any one of the foregoing things alone or in conjunction with others.

9. To do each and any of the foregoing things in connection with any purpose for which the Institute is organized and to do any and all things necessary and incidental to carry out any of said purposes.

On invitation of the temporary chairman, Dr. Norman Jolliffe, liver specialist of Bellevue Hospital, and well informed on vitamin therapeutics, outlined the very real need for definative clinical research. He was followed by Dr. Walter H. Eddy, Walter H. Eddy Consultants, New York, nutritionist, who supported the need for research on vitamins, stating that much remains to be done on dosage alone since, to date, means of knowing what the daily vitamin requirement of any given individual is lacking. Both were heartily in favor of the aims of the institute.

The cost of maintaining the institute and its work shall be borne by the dues assessed the membership and for all members save the Honorary Group, shall pay the following annual dues:—

Firms doing vitamin business under $150,000 per year, $100.00.

Firms doing vitamin business under $300,000 per year, $250.00.

Firms doing annual volume of vitamin business in excess of $300,000, but less than $500,000, $500.00.

Firms doing vitamin business in excess of $500,000 annually but less than $1,000,000, $1,000.00.

Firms doing vitamin business $1,000,000 a year or over, $2,000.00.

An initiation fee shall be charged in accordance with the amount of annual dues.

Small Business to Get Marketing Advice

A council of sales, finance, and marketing executives has been formed to aid small manufacturers in connection with their reconversion problems according to Frank Lovejoy of the Socony-Vacuum Oil Company. Speaking at a conference on war production and future planning under the sponsorship of the Engineering Societies Committee on War Production held in Commodore hotel last week.

The council, in which Mr. Lovejoy will serve as chairman, plans to offer the services of experts in finance, product design and marketing, drafted from industry, to any small manufacturers wishing assistance on an individual conference basis. No fee will be charged small business.

Wyeth, Inc., pharmaceutical manufacturer, Philadelphia, has opened a branch office at 1125 West North avenue, Baltimore.

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National Service Bill Passed by House

OPD Washington Bureau

By a vote of 246 to 165, the house on February 1 passed the administration's limited national service bill (H. R. 1752), for men between the ages of 18 to 45. Action came after three days of bitter debate and defeat of all restrictive amendments.

The measure now goes to the senate where indications are that it will run into equally rough treatment with the possibility of it being changed rather drastically before going to the White House for the President's signature.

The bill would prohibit men now employed in essential activities from seeking other employment without approval of their selective service boards. Those who violated the provisions would be subject to a fine of $10,000 and imprisonment for five years. It also authorizes the draft boards to request men not now in essential work to take war jobs, and if within a specified time enough volunteers had not reported, the boards could order registrants capable of performing such work to apply for the jobs. The same civil penalties apply against a man failing to obey the order.

Kleinsmith, Joy Named To Natural Carbon Posts

C. O. Kleinsmith has been elected a vice-president of National Carbon Company, a unit of Union Carbide & Carbon Corporation. Mr. Kleinsmith was formerly general sales manager for the company's "Eveready" products. Prior to his appointment to that position, two years ago, he was sales manager for Eastern United States. He joined the company in 1919.

D. B. Joy

C. O. Kleinsmith

D. B. Joy has been made general sales manager for carbon products. Mr. Joy joined National Carbon Company in 1923 after graduating from Massachusetts Institute of Technology. He was made director of the company's process engineering laboratory at Fostoria, Ohio, ten years ago, and in 1941 became assistant superintendent of the Fortoria factory. He was made product manager last year. R. P. Bergan has been made general sales manager for the company's consumer and related products.

Chemical Workers Earnings Decline

Weekly earnings of factory workers in chemical and related fields showed a decrease of 5 percent with an average of $43.70. This compared with an average of $37.94 for all nondurable goods manufacturing.

November-October comparisons in chemical and related lines were reported as follows:—

Average Earnings

	Weekly		
	Nov. 1944	Oct. 1944	Sept. 1944
Chemical and allied products	$43.70	$43.94	$44.08
Ammunition	45.29	46.05	45.08
Chemicals	52.48	51.99	52.22
Cottonseed oil	28.89	28.79	27.57
Crude petroleum production	53.81	52.92	55.04
Drugs, medicines, insecticides	35.35	35.30	35.15
Explosives, safety fuses	46.02	46.71	47.41
Fertilizers	30.83	31.59	32.52
Paints and varnishes	46.23	46.48	46.06
Petroleum refining	58.92	60.32	58.24
Rayon, allied products	39.14	39.11	39.22
Soaps	48.12	48.89	49.26

War Workers Wage Rule for Recruits Revised

OPD Washington Bureau

Orders permitting employers to pay higher initial wages to workers moving in war plants now shorthanded were issued January 30 by the National War Labor Board in a move implementing the drive to recruit all available manpower for essential war industry.

The order follows on a recent WLB decision guaranteeing seniority rights of workers shifted from nonessential to war jobs and thus further mollifies resentment created by the new policy of War Mobilization Director Byrnes for manning essential jobs with men in nonessential activities.

The order now states that the employer may pay recruits above the minimum for their classification, provided:—

(1) The plant is certified by the WMC to be doing essential or critical war work; (2) the employer has complied with all WMC regulations; and (3) he is faced with a critical hiring problem.

Soybean Oil Plant Opened by General Mills

General Mills, Inc., Minneapolis, Minn., officially opened its soybean oil plant in Belmond, Iowa, January 20, with special ceremonies including a luncheon and plant tour. The plant, converted from a former beet sugar refinery by the installation of an Allis-Chalmers continuous extraction unit, will produce soybean oil and soybean oil meal, handling a total of 3,500,000 bushels of soybeans annually. Total capacity of the grain storage tanks will be 1,500,000 bushels.

U.S. Revenue Returns Show Increase

Bureau of Internal Revenue, Washington, reports taxes collected for December, 1944, compared with December, 1943, were as follows:—

	December	
	1944	1943
Coconut, etc., oils, processed	$486,602.63	$723,510.25
Distilled spirits, domestic, excise tax	125,139,397.38	48,683,703.30
Distilled spirits, imported, excise tax	16,786,874.05	24,855,379.49
Gasoline	39,754,162.82	24,575,024.70
Lubricating oils	8,497,386.53	3,697,398.47
Narcotics, including special taxes	40,666.91	30,015.83
Oleomargarin special taxes	393,435.09	196,270.28
Totals	$4,265,644,303.82	$5,017,681,936.56

Buy War Bonds

Obituaries

Rubin Swan Green, purchasing agent for the Owl Drugstores, died January 21 in Los Angeles. He was forty-three years of age.

Harry L. Lissfelt, manager of the New York branch of the Corning Glass Works, died recently. He was fifty-six years of age.

Felix M. Miles, widely known operator in the Owensboro oil field for the last eighteen years, died January 20 in Owensboro, Ky.

Alexander C. Moeller, sales manager of the Dearborn Chemical Company, St. Louis, Mo., died recently. He was sixty-one years of age.

Harry R. Watson, retired president of the Liondale Bleach, Dye & Print Works, Rockaway, Queens, died January 31 in Glen Ridge, N. J. He was seventy-six years of age.

Mrs. Adele C. McHenry Butler, wife of A. S. Butler, president of McDougall-Butler Company, maker of paints, varnishes and enamels, Buffalo, N. Y., and former parks' commission, died January 28 after a long illness.

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OPD—2-5-1945 62

Part of a field of the hundreds of acres of Belladonna we have grown during the war

ANNOUNCING OUR PILOT FARM

TO GROW DRUG-BEARING CROPS

We take pleasure in announcing a new development in our institution, which appears to have many challenging potentialities. We call the venture—new to the botanical drug industry—our Botanical Drug Pilot Farm; to be devoted exclusively to botanical production, both commercial and experimental.

With the aid of government experts, we have selected acreage in the fertile soil belt of Pennsylvania. The Farm is now being equipped for the first season's production.

For several years we have cultivated large quantities of vital drug plants in several states, and while these projects have produced exceptional results under the pressure of war emergency, the long-range practicability of the work has not yet been given the study which we now expect to undertake through centralizing experiments in one location where adequate laboratory and field equipment are available.

The present facilities afford opportunities for drug manufacturers which have not been available before in the United States.

It is planned to continue the commercial production of specialty crops, in which we have had considerable experience.

As certain wild-grown botanicals become increasingly scarce, cultivation may be necessary, and part of our project will be devoted to pilot plant surveys of the possibilities of domesticating wild plant species . . . Surveys will include agronomy, plant selection and breeding, greenhouse forcing, and the control of fungi and diseases. We hope to determine whether active principles can be substantially increased, especially in drugs possessing alkaloidal and glycosidal properties.

Our Botanical Drug Pilot Farm is available to assist in solving problems arising out of the diminishing supply of any botanical drug, and is prepared to conduct experimental work in anticipation of commercial growing — either of a general or a confidential nature.

We invite correspondence on any botanical products, and shall include as many varieties as possible in both our short-range and long-range production programs.

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BUY WAR BONDS AND STAMPS . . . FOR VICTORY

Botanical Drugs, Spices, Gums

With thoughts of many ranging the realm where the coming restoration of botanical drug imports is contemplated, two developments took on added interest in the market for botanical drugs last week.

Much has been said regarding the desire of importers here to reestablish foreign commercial contacts and, if possible, to restore import business from French sources. During the past week one of the first efforts of the French to do precisely that came to light.

An exporting house with headquarters in Paris and an agency office in Marseille has written importers here that it desires to export thyme, juniper berries, gentian root, celery seed, sweet marjoram, feverfew herb, laurel leaves, parsley seed, and orange peel.

The second development was the announcement here of centralized experimental work in growing botanical drug plants will be undertaken at a so-called "pilot farm" to be located in Pennsylvania. It is expected that the long range practicability of cultivating botanical drugs in this country will be studied in a way and to an extent never attempted before. Details appear elsewhere in this issue.

To these two forward looking developments may be added the fact that the American Spice Trade Association is about to file with the Office of Price Administration a petition for higher spot price ceilings on seeds the prices for which at this time are higher in the several primary markets than the Maximum Price Regulation permits importers to charge in this country.

Demand for botanical drugs on spot last week was rather light most of the time, involving moderate quantities of a better than fair number of commodities. Nothing in the market makeup tended to create price unsettlement.

Balsams

Copaiba—Market reported to be generally quiet, being based mainly on a fair amount of strictly jobbing orders. Prices retained firm to steady positions.

Fir—Canadian balsam continued to show growing strength but no further advance in quotations developed during the past week. Little competition prevailed locally. Oregon balsam was quiet but firm.

Barks

Cascara Sagrada—Recent press reports have suggested some curtailment in shipyard activities on the north Pacific coast. If a fact and if extended, this could mean some gain in the labor to be available for cascara bark peeling this year. A good peel would be welcomed, especially since that in 1944 was insufficient to meet requirements of those who age their bark and hence store it two or three years before using.

Elm—It is understood that a more definite effort to stimulate collection at the desirable season will be made this year. To this end, some indication of foreign requirements would not go amiss now.

Sassafras—Select bark was moving very well and while no important surplus of supply was in sight, enough to cover current requirements appeared to be in hand at firm prices.

Beans

Vanilla—The market continued firm in undertone because of moderate stocks and an excellent consuming requirement which could take up much more stock than is available for potential buyers at this time. Dealers look forward with eagerness to the eventual increase in stocks of Bourbon beans, a substantial quantity is engaged for this country but the arrival of which has been uncertain and certainly well delayed beyond reasonable expectations. The forward situation in supplies at the source has been rendered questionable by the Reunion hurricane, which it is feared, may have damaged the vanilla plantations severely.

Market Trends

Prices Advanced

Drugs

Arabic, gum, sorts, ½c. per lb.

Other Articles

Caraway seed, Canadian, 1c. per lb.
Cardamom, green, 2c. per lb.
Celery seed, ½c. per lb.
Mustard seed, Montana, yellow, ¾c. per lb.
Washington, yellow, ¾c. per lb.
Pepper, red, chillies, Carolina longs, 1½c. per lb.

Prices Reduced

Drugs

Locust bean gum, 5c. per lb.

Other Articles

Marjoram, Chilean, 1½c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
244.0	244.0	242.5	261.1

Berries

Cubeb—The United Nations fleets are pecking away at points in the Dutch East Indies where this berry is collected. Until liberation comes there, extreme shortage is bound to persist in this market. At present, there are no known firm offerings of prompt delivery berries.

Raspberries—Dealers are looking to time when replenishment of supplies by purchase of the new crop will be possible. Not a great deal of dried berries is available here at this time and the price position is one of substantial strength.

Flowers

Clover—Some fair sized jobbing business was worked at steady prices in a market notable for its lack of much competition between the usual suppliers of the item. Stocks were conservative everywhere.

Lavender—Official desire of this country to reconstitute as much of French business as possible may lead eventually to the export of some of these flowers from French sources. The material still available here offers not a great deal of attractiveness to potential buyers.

Saffron—Spanish flowers were very firm regardless of an absence of sustained trading in the article. Prices in Spain hold strong and high and replacement shipments are none too sufficient. Mexican saffron continued around $1.20 per pound and was nominal. Spanish stood at $42 to $43.

Gums

Arabic—Spot quotations were higher at 12½c. to 13c. per pound for sorts and the reduction in stocks which had been very substantial has curtailed price shading tendencies prevailing in some quarters in the recent past. There are still dealers in this country who think that the end of the war will usher in a period of heavy demand at primary market points and steady rise in values.

Locust Bean—Spot quotations were slightly lower at 60c. to 65c. per pound and there were intimations that the inside might be shaded on certain qualities of merchandise.

Herbs and Leaves

Belladonna—It seems likely that further cultivation may take place during the coming growing season despite the fact that there are still fairly safe reserves in stock.

Horehound—Seasonal demand has been very good, and satisfactory volume has been built on the basis of attractive and very steady prices.

Marjoram — Chilean material was down to 22½c. to 23c. per pound as competition pressed actively. Argentine and California material held without change.

Peppermint—Even now some quarters are at least talking about the eventual reappearance of foreign leaves on this market. Present prices, even for the domestic item, are far above normal levels.

Stramonium—Steady and available in quantities sufficient to keep com-

For Current prices see alphabetical listing beginning on page 9.

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GENTIAN ROOT
GINGER, Jamaica, Calicut
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM KARAYA, Whole and Powder
HELLEBORE ROOT WHITE
HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
SENNA LEAVES AND PODS
STRAMONIUM LEAVES
STROPHANTHUS SEED
THYME LEAVES AND OIL
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petition an element in most transactions. Open quotations remain unchanged but might be shaded.

Miscellaneous

Grains of Paradise — Competition was keen between those whose stocks were imported at a higher cost some time back and those who have recently obtained stocks at a reduction in shipment prices.

Kola Nuts—Advices from France indicate that that country will be in the market for supplies of this item as soon as commerce can be restored.

Tamarinds—West Indian material was slightly lower at 12c. to 13c. per pound without creating much buying interest during the past week.

Roots

Aletris—Strong in price and in very low supply. Most quarters say prices are nominal and have to be set each time some replacement goods go into consumption.

Arrow—Holders show great reserve, reducing quantities asked for when any offering is made in response to inquiries.

Gentian—French merchants are already seeking to reestablish connections here with a view to restoring export trade in this item with the United States.

Goldenseal—A strong market prevails because of the extremely conservative quantities of root that remain unsold. Many cultivation plots have been laid by for the duration and restoration of normal stocks will not come soon because of the time element involved in cultivation of a crop to true maturity.

Seeds

Caraway—Canadian seed was raised to 75c. to 76c. per pound. No stocks of dewhiskered seed from Morocco were noted. Spanish dewhiskered material became nominal at 74c.

Cardamom—Green seed was higher at 70c. to 71c. per pound.

Celery—Prices continued to advance, reaching the 22½c. to 23½c. per pound level as demand held to good levels.

Coriander—Seed brought here from Peru is said now to be available only in ground form.

Fennel — Some Argentine seed should be forthcoming in the not distant future.

Mustard—Montana and Washington yellow seed was advanced once more, reaching the level of 14¼c. to 14¾c. per pound on active trading.

Spices

Nutmegs—Stocks of West Indian material were reported to be very scarce and transactions have to be made on future arrival basis in most instances.

Pepper—The War Food Administration January-March allocation of black pepper for civilian use is 3,897,000 pounds. This compares with 3,276,000 pounds so allocated in October-December, 1944. Military and war

—Continued on page 70

Penick Establishes

—Continued from page 4

formerly imported will be imported again after the war, it believes also that the experimental farm will provide a substantial service to users of botanical drugs and their derivatives.

Increasing scarcity of certain wild-growing plants may make cultivation necessary, and a part of the work at the project will be devoted to surveying the possibility of domesticating wild plant species. Such surveys will include agronomy, plant selection and breeding, greenhouse forcing, and the control of fungi and diseases. It is also hoped to determine whether active principles can be increased, especially in drugs possessing alkaloidal and glycosidal properties. The best seasons and methods of harvesting and curing will be explored. Plants from which essential oils may be distilled are scheduled for careful study and the company says that such study will be the first broad-scale commercial undertaking of its kind in this country.

Diminishing supplies of certain botanicals have caused manufacturers to express wide research interest and it is the intention of the Penick company to cooperate with them and to conduct experimental work in anticipation of commercial growing.

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CRUDE DRUGS

Twenty Nine Buddhas and

The Thirteenth Hell

Botanical drug quality standards were first set officially for the United States by the USP of 1820 and the NF of 1880. Present editions comprise 88 pages and 556 pages respectively.

By Chinese reckoning, these two books are very young and small. Chinese standards date long before the Christian Era and appear in forty volumes written by 1,000 authors and called the *Pun Tsao*, or *Great Herbal*.

Twenty-nine of the seventy-two Chinese Buddhas guard the herbal standards, aided by philosophical Taoism which reserves the 13th of its 150 hells for offending physicians who are forced perpetually to drink hot, disagreeable medicinal decoctions. Today, we do better in enforcing USP and NF standards.

WAREHOUSE AND MILLS
JERSEY CITY **NEW JERSEY**

Essential Oils, Other Aromatics

Since a deal of interest is shown in the restoration of foreign trade by importers and dealers in essential oils, the receipt here of one of the first communications through which French shippers of essential oils seek to revive export business to the United States was at least an event of progress on the road to general revival of French-American trade in perfume materials.

The communication informed dealers here of a Paris firm's ability to offer American buyers supplies of lavender and lavandin oil, together with some Guinea orange oil. The information was supplemented with a request for buyers to give an estimate of their approximate yearly requirements. Thus pressure to restore French exports is applied on both sides of the wall that to this time has prevented resumption of trade.

Acute scarcity has turned up in the matter of nutmegs from which to distill the essential oil. Not only was scarcity present in profusion but transactions were possible only on a future delivery basis. Stocks of coriander, tar, and wormseed oils were also in tight position, a fact that gave some importance to a War Food Administration offering of coriander, wormseed, and rectified tar oil. All merchandise was in bottles, was surplus stocks of the army, and its availability was announced by the a War Food Administration office.

The WFA report on 1944 lend-lease purchases for shipment to the Allies listed transactions in grapefruit and lemon oils, synthetic lemon juice powder, orange and peppermint oils, and some vanillin. The transactions involved a total of 485,028 pounds of merchandise, about half of which was the synthetic lemon powder.

Scarcity of anise was acute and dependence on substitutes seems inevitable because the reopened Burma road to China is likely to carry nothing but military traffic. Bay oil was firm and sellers were reserved. The same condition ruled bois de rose. Little bergamot was available and only remote chance holds a promise for further imports. Stocks of citronella gained but prices held unchanged. Some spike lavender was added to spot stock without weakening values.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
208.0	208.0	201.8	259.3

Essential Oils

Almond—Inquiry for jobbing lots was fairly active and a moderate increase in such sales of expressed oil was reported. Undertones remained firm.

Anise—Save for occasional parcels of Russian oil, the spot market lacked supplies and consumers are more than ever compelled to depend on substitutes to fill their flavoring requirements. Sources with better than a fair knowledge of the reopened route to Chungking believe that it will be a long time before anything but goods connected with military necessity are given transport out of China.

Avocado—Not a great deal of request comes to this market but the orders that do appear seem to be well and promptly filled. Dealers report full stability of prices.

Bay—Sellers called the market firm and indicated that conservative stocks were being well maintained in price because of an absence of much competition in local circles.

Bois de Rose—Undertones were firm to strong. Not a great deal of oil was available for open market transactions and those with unsold goods in hand showed substantial reserve. Replacement costs remain firm at the source.

Bergamot—The few pounds of Italian oil remaining unsold on spot are in strong hands and held free from any tendency toward acceptance of buyers' bids. It is believed that every effort will be made to get more oil but it was suggested that not much was left in Reggio after Britain and the United States had completed their buying.

Cajeput—Quotations were almost nominal. A few quarters each had a little but for the most part reserved the stocks for their own customers. Few open market orders appear.

Camphor—The normal article of commerce is lacking, although American bombers are doing their best to pry open the former primary source of Formosa. Some byproduct material resulting from synthetic camphor manufacture is available around 35c. per pound and a substitute is to be had for 55c.

Cananga—The few dealers with small supplies show great reserve in making offerings and to a considerable extent the market is close to being nominal in position. Prices were reported to be very strong.

Caraway—Inability to get seed yielding normal quantities of oil keep distilling activity at a minimum. Nor has any oil been available in foreign sources formerly the main suppliers. Spot stocks were extremely small.

Citronella—Stocks gained to the extent of 31,002 pounds. The quantity was insufficient adversely to affect the very firm price position prevailing locally where values shape up closely to those prevailing at the replacement market.

Dill—A very good business for later delivery is now on the books of suppliers who expect domestic production to show a substantial yield if growing conditions prove normal this year.

Erigeron—A sale of a very small lot was sufficient to confirm quotations but it would not be possible to buy more than limited quantities. The item was very poorly produced last Summer.

Geranium—A moderate gain in available stocks was noted last week. The addition amounted to 6,338 pounds, and appeared to be Bourbon oil. Values on spot were unaffected by the access to supplies, remaining firm in all quarters.

Grapefruit—The War Food Administration reported that in 1944 it purchased 1,975 pounds of this oil for lend-lease purposes of the Allies. The spot market last week was quiet but exceptionally steady.

Ginger — Stability of price was the main feature of the market. As to demand, it is not large, but a fair amount of small-order business appeared and was filled. There is not much reason to expect any substantial quantities of African root to come here this year for distillation purposes.

Lavender—Reports indicated an addition to spot stocks that amounted to 5,164 pounds. Probably the oil was spike lavender, since no flower oil from France has yet been forthcoming.

Lemon—The War Food Administration has reported on its lend-lease operations in this oil during 1944. The total purchased was 89,280 pounds. The report also stated that 250,956 pounds of synthetic lemon juice powder was bought. More interesting would be a statement of the amount of lemon oil that has been allocated for use by manufacturers with contracts to supply lemon oil products to the armed forces. It is that business that has kept civilian uses on short rations of oil.

Nutmeg—The raw material situation has rarely been so acute, and unless that aspect of affairs shall change, former consumers of the natural spice oil will have to depend almost solely on substitute materials.

Orange—Prices have not been advanced further, but all quotations showed strength that was backed by a good consuming interest and an absence of the usual amount of competition between dealers. The War Food Administration reported that in 1944 it bought 23,515 pounds of this oil for lend-lease use by the Allies.

Peppermint—War Food Administration purchases for lend-lease purposes in 1944 totaled 50,000 pounds. Activi-

For Current prices see alphabetical listing beginning on page 9.

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The First Truly Different
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PERFUME OIL FRUIT BERRY
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This utterly new and different product not only neutralizes the odors of toxic agents, but also provides the finished spray with a truly refreshing and welcome berry-like fragrance.
Your first tests will show that this light fragrance will completely cover the most heavy and penetrating of odors.
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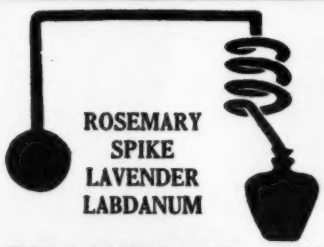

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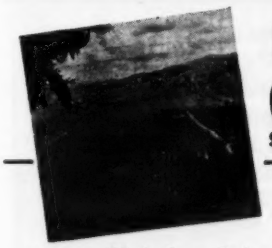

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This product of the California Fruit Growers' Exchange—one of the world's great cooperatives—offers matchless flavor and uniformity at moderate cost. Made from fruits scientifically cultivated under ideal conditions of climate and soil, and extracted by the most advanced mechanical methods, "Exchange" Brand Oil of Orange, U. S. P. XII is truly today's finest orange oil. Let its extra quality lend improved flavor to your product—*economically*.

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ty on spot last week was limited to conservative totals, since the available stocks were subnormal and cannot be readily increased.

Aromatic Chemicals

Methylnaphthyl Ketone—Some quarters report almost total inability to secure supplies.

Nerolin — Distributors report a fair availability of supplies, and the market absorption of offerings was said to be about normal.

Phenylacetaldehyde — Demand was reported to be excellent, and the persistent absorption of offerings tended to keep stocks scarce.

Phenylacetic Acid — No surplus of this article is reported, and at times the market runs on short supplies.

Phenylethyl Acetate—Although some quarters advise protection of requirements by reasonable purchases, it is also indicated that reasonable quantities are available.

Phenylethyl Alcohol—Production is controlled by the frequent scarcities of raw material, and some suppliers suggest the wisdom of consumers covering requirements adequately when possible.

Phenylpropyl Alcohol—A shortage is being forecast in some quarters, although at the moment they admit the presence of reasonable quantities.

Baekeland Memorial Dinner February 9

Leo Hendrik Baekeland will be the general subject of a meeting commemorating the inventor of the first phenolic resin, according to Dr. Norman A. Shepard, chairman of the American Section of the Society of Chemical Industry. This meeting, preceded by a memorial dinner, will be held in the Hotel Roosevelt February 9. Dr. Wallace P. Cohoe, former past president of the Society of Chemical Industry, will deliver an address entitled "Leo Hendrik Baekeland—An Appreciation."

George Scribner, president of the Society of the Plastic Industry, and head of Boonton Molding Company, Boonton, N. J., will speak on "Plastics—A New Frontier."

An interesting exhibit has been collected and will be on display adjoining the room in which the meeting will be held. This exhibit will include the original still in which Baekeland produced the first commercial "Bakelite" resin, a number of views of the inventor's original laboratory in Yonkers and samples of early phenolic plastics.

Chemical Service Company has moved its offices to 82 Beaver street, New York.

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NEW LOW-PRICED AROMATIC
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Savonella—the new citronella substitute—combines odor freshness with effective strength. As little as 1% gives a very definite, pleasing and refreshing odor to soap chips, soap powders, mechanic's hand soaps, cleansers and other soap products. Now available in large quantities. Write for samples today.

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"Odor Problems Disappear When Aromatic Specialists Are Near"

SAVONELLA
NEW CITRONELLA SUBSTITUTE

Petroleum Derivatives

Recognition within the past week of the critical character of the threatened shortage in industrial or residual fuel oil on the Atlantic seaboard by the Petroleum Administration for War, which had hitherto been contending that there was an adequate supply of the light or homeheating type of this oil for meeting normal requirements, has served to underscore additional evidences of the pinch in the flow of other petroleum derivatives into private consuming channels on the East coast that have come to light within the last few days.

PAW's recognition of the critical condition of industrial fuel oil supplies on the East coast has been shown in that bureau's move to avert a still more serious shortage here by calling upon eighty-seven large-scale consumers of this residual oil to utilize immediately their hitherto installed facilities that already have coal, coke or some other substitute fuels on hand. It has been explained that the recent diminution in East coast deliveries of fuel oil has been due in great measure to the disruption of overland transportation movements by snowstorms but much of the reduction in inventories is also rightly attributed to peak military takings and the government's monopoly of the Little Inch pipeline. Despite a further amplification of production of petroleum solvents, liquefied gases and waxes by refineries with fractionating facilities, the absorption of these and virtually all other petroleum chemicals by the military establishment and lend-lease procurement agencies has continued so extensive as to leave only a relatively small and constantly lowered supply available for civilian uses.

The first of the long-requested increases in price ceilings on crude petroleum to be granted because of high costs of production have been announced by the Office of Price Administration within the past week under an extension of the stripper well premium payment plan, reviving hopes of the independent operators for many more such liftings of price ceilings on crude oil, if not for a uniform jacking-up of prices in all oilfields by 35 cents or more per barrel.

Solvents and Diluents

Aromatic Solvents—Current calls for both Class A and Class B types of these high-solvency aromatic naphthas as well as for their blends are being met with speedy deliveries by the processors, whose output of these solvents continues adequate, inasmuch as they are still able to procure sufficient xylol supplies to keep their manufacturing operations running in unimpeded fashion.

Cleaners' Naphtha—Buying interest continues keen on both military and civilian accounts, with prices firmly held.

Lacquer Diluent—Moving steadily into consuming channels in the paint and varnish-making industry. Market strong throughout.

Mineral Spirit—Continues in keen demand. Tone firm.

Rubber Solvent—Synthetic rubber manufacturers continue to absorb the bulk of all available stocks and current output of this material, so that its supply situation is perennially tight.

Stoddard Solvent—Both military and civilian dry cleaning interests are still buying extensively of this solvent. Market strong.

V. M. & P. Naphtha—A brisk movement of this solvent continues to be recorded, with paint and varnish makers engaged in war production work obtaining most of the offerings but with a fair volume of business also being reported for account of civilian product users.

Markets at Other Centers

Chicago, Feb. 2—Tight supply conditions still characterize most of the materials in the solvents and thinners classification in the Midwest area. Buyers are having difficulty in obtaining all the material they need as offerings are still limited.

Los Angeles, Feb. 2—Market conditions in petroleum derivatives on the Pacific coast continue generally strong, with the demand well ahead of production, particularly in paint thinners and solvents.

Market Trends

Prices Advanced

Crude petroleum, Hillsdale pool, Okla., 35c. per bbl.; Getty pol, N. M., 14c. per bbl.; Grayson pool, Tex., 13c. per bbl.; Clabborhill pool, Tex., 12c. per bbl.

Prices Reduced

None

Lighter Fractions

Butane—Civilian consumers, especially those desiring this liquefied gas for home heating and cooking in the South and Southwest, are finding only scanty supplies available because of the insatiable appetites of the manufacturers of high-octane aviation gasoline and synthetic rubber who are absorbing the bulk of all available supplies.

Heptane—Continuing to move in increasing volume.

Hexane—Buying interest mounting in this gas with prices firmly maintained.

Octanes—In increasing demand. Tone firm.

Pentanes—Moving in sizable quantities into war production work, but also being shipped in fair amounts into civilian use channels.

Propane—The market picture in this liquefied gas is identical with that noted in butane, above.

Petrolatums and Waxes

Microcrystalline Waxes—Under the leadership of the standard process types, a steady movement of these waxes continues to be noted.

Paraffin—Both crude scale and refined grades of this wax are in increasingly scanty supply, in this country, in consequence of the unabated drain on stocks here by lend-lease procurement agencies.

Petrolatums—In the face of a fairly brisk demand, producers are experiencing some difficulty in maintaining sizable and well-rounded supplies with which to fill all orders. Prices continue well maintained.

White Mineral Oils—U. S. P. and technical grades keep moving in fair volume into consuming channels at the recently revised price schedules.

Fuels and Lubricants

Crude Petroleum—Although not yet persuaded that a general advance of a specified amount is warrantable in the ceiling prices of crude petroleum in all the American oilfields because of increased costs, the Office of Price Administration has taken first steps toward lifting ceilings for the oil taken from pools wherein high costs of production justify this action under an extension of the stripper well premium payment plan. OPA, which has entered upon a reconsideration of ceiling adjustments in the crude oil production industry with an advisory committee consisting of independent as well as well-integrated company producers, has announced that four pools have passed the high cost qualifying tests and have been granted increases in their ceilings ranging from 12 to 35 cents a barrel, effective January 1.

These pools are the Hillsdale pool, Oklahoma, up 35 cents per barrel; the Getty pool, New Mexico, up 14 cents per barrel; the Grayson pool, Texas, up 13 cents per barrel and the Clabborhill pool, Texas, up 12 cents per barrel.

Eleven pools have also been added to the list of those qualifying for increases in ceiling prices under the nine-barrel provision of the stripper well premium payment plan. Another pool, the Emperor (Deep) pool, in Winkler county, Texas, has had its ceiling raised from 20 cents to 25 cents per barrel.

The daily average rate of domestic production has shown a decline of 6,600 barrels to 4,727,150 barrels for the week ended January 27. This, however, is 2,450 barrels more than PAW's January recommendation. Runs of crude oil to the refineries for the same week, however, are reported to have averaged 4,756,000 barrels daily, compared with 4,686,000 barrels for the preceding week.

Fuel Oil—OPA has announced that fuel oil rations in the Southern area will continue unchanged at 10 gallons per unit during the combined periods 4 and 5, which began January 29. The area affected includes the seaboard state of North Carolina, South Carolina, Georgia, and that part of Florida east of the Appalachicola River.

Nationwide supplies of light fuel oil dropped 1,390,000 barrels to 33,651,000 in the week ended January 27, while those of heavy fuel oil exhibited a decline of 1,435,000 barrels to 51,119,000 barrels on that date.

Seitz Plant Damaged by Fire

The Seitz Oil Products Refining Company, Syracuse, N. Y., was damaged by fire last week. The damage was placed at $18,000.

Corn Products Elects V.P.

John L. Buckner, general manager in charge of manufacturing, has been elected vice-president.

Controlled Specialization

petrolatums and white oils

CERESINES, WHITE AND YELLOW

RUST PREVENTIVES

from the Refinery of

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REFINING COMPANY, INC.

ENGLEWOOD, N. J.

Refinery, WARREN, PA.

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PETROLATUMS—WHITE OILS

for every purpose

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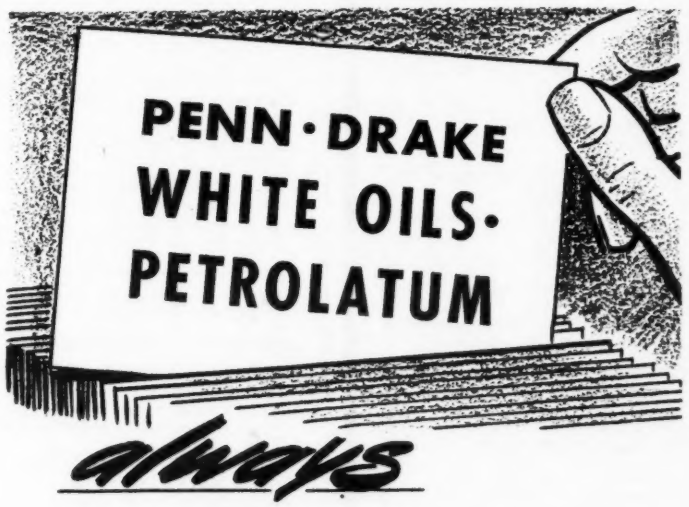

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And if you have *not* tried PENN-DRAKE, you have a pleasant experience awaiting you.

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GENERAL OFFICES · BUTLER, PA.

Makers White Oils (*U.S.P. and Technical*); Petrolatums (*all grades and colors*); INSECTI-SOL (*deodorized insecticide base*); Deodorized and other Naphthas; Petroleum Sulphonates; Waxes; Industrial and Motor Lubricants and Greases; Fuel Oils, and other petroleum products.

For Current prices see alphabetical listing beginning on page 9.

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FMC Ready to Ship... EQUIPMENT

FMC

1—**Filler Machine Co. 4 Piston Filler for No. 10 cans.**

1—**Progressive 2 Piston Filler.**

1—**Kiefer Piston Type Visco Filler.**

2—**Colton No. 4 Tube Fillers and Closers.**

4—**Powder Fillers, Auger or Free Flowing.**

2—**Vacuum Fillers up to gal.; 8 or 10 spout.**

1—**Devine Impregnating System, consisting of 2 Jktd. Kettles; 42" x 5'.**

2—**Rotex Sifters No. 7, 40" x 84" and No. 55, 40" x 130" x 26" deep; 4 screen; motorized.**

1—**Abbe Heavy Duty Rotary Cutter; 5 Knife; 24".**

12—**Vacuum Stills in Copper, Steel, Iron and Glass Lined, from 150 gal. to 3,000 gal.**

KETTLES, copper, steel, iron, glass-lined; up to 1,000 gal.; some with agitators.

MIXERS; portable agitators, dough mixers, mass mixers, dry powder mixers, etc.

1—**Sperry 24" Aluminum Filter Press.**

2—**Sperry 24" Wood (30 chamber) Filter Press.**

2—**Shriver 24" Filter Press Skeletons.**

1—**Sperry 42" Cast Iron Filter Press.**

DRYERS: Louisville Steam Tube, Bartlett & Snow, Devine Vac. Rotary Dryers, Buflovak Vac. Dryers, etc.

55—**Glass Lined, 300-gal. Pressure Tanks; dome tops.**

2—**Jones Automatic Soap Presses; other soap equip.**

1—**Abbe Porcelain Lined Pebble Mill, 40" x 43".**

1—**Silex Lined Pebble Mill; 7' x 6'; 1,500-gal. holding cap.**

1—**Steel Ball Mill, 44" x 92"; girth gear driven.**

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Stainless Kettles, Tanks, Vac. Pans.; Rotary and Centrifugal Pumps, all metals; Dry Batch Mixers, all steel, all sizes; FMC rugged Hammer Mills; Tumbling Type Mixers; Belt Conveyor and Skate Conv. Syphon and Vacuum Fillers; Rotary Cutters; Packers; Jar Mills, Colloid Mills, Portable Agitators, etc.

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For Sale—Roller Mill—Chas. Ross—3 rolls —9 x 24, water-cooled, belt-driven, excellent condition. Evangeline, 68 Jay street, Brooklyn, TR 5-0836.

EQUIPMENT WANTED

Mixing and filling machine and automatic para block press. WA 9-1148. OPD 678.

MANUFACTURING WANTED

Plant about thirty miles from New York City, with railroad siding, boiler, steel and wood cookers, evaporators, refrigerator, drying room, air compressors, storage tanks, dough mixers, 5 varnish stacks with complete equipment, etc. Wishes to do processing. OPD 682.

Paint and Varnish manufacturer, old-established manufacturing firm in Switzerland, looks for fabrication on license or sale of specialties in this line of business. OPD 670.

MATERIALS OFFERED

Crotonic Acid—Pure crystalline now available at reduced prices. Also offered cinnamic, cholic, galacturonic, levulinic, pyruvic, uric acids; 500 lbs. nickel hydroxide; 100 lbs. titanium carbide; 10 lbs. selenium dioxide; all lithium salts. Address: Chemique, 198 Broadway, New York.

For Sale—We offer you the very best Mexican powdered pumice in bulk in box cars at $12 per ton Mexican border at Laredo. Also yellow ocre. Ask for samples to: Productos Sarolo, Monterrey, Mexico.

MATERIALS WANTED

Do not wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities all kinds. Particularly interested gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. OPD 679.

MATERIALS WANTED

Will purchase your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. OPD 680.

POSITIONS VACANT

Wanted—Experienced production and development chemist; expanding coated fabrics plant; most unusual opportunity; 35 miles from New York. Qualified in oil, resin, pyroxylin, vinyl applications on cottons and rayons; dip, knife and roller coating techniques. Give full particulars, education, experience, present and desired salary. Interviews arranged on qualifications. OPD 677.

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SERVING AMERICAN INDUSTRY FOR OVER A QUARTER-CENTURY

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Special Items from Stock

1—70" x 30' RUGGLES COLES DIRECT HEAT ROTARY DRYERS, Type A-9.

1—5' x 12' Vacuum DRUM DRYER, Buffalo Foundry complete with accessories.

10—ROTARY VACUUM DRYERS; 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 39" x 12'.

2—ATMOSPHERIC DRUM DRYERS 4' x 12'.

2—32" x 72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYERS, m. d.

2—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZERS or VACUUM PAN DRYERS.

9—Direct heat ROTARY DRYERS 4' x 30', 5' x 30', 70" x 30', 6 x 60'.

1—7'6" x 75' Indirect Heat ROTARY DRYER.

2—PEBBLE MILLS, 1—4' x 4' Burrstone Lined; 1—32" x 42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.

2—CRUSHING ROLLS, 40 x 16" Colorado Iron Works.

6—DRY POWDER MIXERS various sizes. To 3000 lbs.

2—W. & P. MIXERS, sizes 21-X-BB jacketed 625 gal.

8—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 3, No. 1, No. 0000.

1—4'x6' OLIVER CONTINUOUS FILTER; 2—8'x8'

8—HEAT EXCHANGERS, 50 to 1600 sq. ft. heating surfaces; 5 copper, 2 steel tubes.

1—Day No. 30 Imperial Jack. MIXER, 75 gal.

8—RUBBER LINED Rectangular TANKS; 7—300-gal.; 1—150 gal.

23—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.

1—PNEUM. SCALE CARTON PACKAGING UNIT

1—Pneumatic Scale Co. Auto. tight WRAPPER.

2—Batteries of two each TYLER HUMMER SCREENS 4'x5', single deck, other sizes.

1—36' dia. Cast Iron COLUMN, 23" high.

1—Devine duplex VACUUM PUMP 16 x 16 x 12.

1—Buffalo 48 x 40" VACUUM DRUM DRYER, with bronze chromium plated drum, Vacuum pump, Barometric condenser, Vacuum receiver etc.

All items motor driven, still set up in operating condition.

LIQUIDATION MACHINERY AND EQUIPMENT OF FORMER CENTRAL SUGAR CO., Decatur, Indiana

1—**Battery of 5—40" STEEL BASKET, WESTERN STATES, 1600 RPM, belt driven CENTRIFUGALS, ball bearing, water-cooled heads; mixer with Stevens mingler coil; syrup troughs, all supporting framework, unloaders.**

1—**10,000 sq. ft., QUADRUPLE EFFECT, horizontal, brass tube EVAPORATOR, with all piping, pumps, etc.**

8—8x10 Wood Stave OLIVER FILTERS.

7—JUICE HEATERS, 500 to 750 sq. ft. H. S.

1—Hersey double unit ROTARY DRYER OR GRANULATOR.

Miscellaneous: Pumps, Packaging Machinery, Coil and Calandria Pans

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3—STOKES steam heated WATER STILLS, 5, 10, 100 gal. per hour.

9—Hardinge BALL MILLS, 4'6" x 16", 5' x 22", 6' x 36"; also 6' x 12' Rod Mill.

2—8' x 30" Hardinge Conical Silex Lined PEBBLE MILLS, also 6' x 36".

53,000 lbs. 2—4" mixed STEEL GRINDING BALLS.

1—500 gal. 5' x 6' BALL MILL.

5—ROTARY KILNS, 6' x 60', 8' x 125', 8'x 135'.

2—BELT CONVEYORS, 30" x 120', 16" x 65'.

3—Dracco Perfecto Type AAA DUST COLLECTORS

1—Abbe Blutergess No. 2 SIFTER; 1—No. OS, m.d.

2—Gen. Ceramic 40" dia. x 15' high ABSORPTION TOWERS.

10—Dopp C. I. jacketed KETTLES, 25 Gal. to 100 gal; 30—steel, cast iron, jack. up to 2000 gals.

3—ROLLER MILLS, 6'6" x 14", 12 x 30, 16 x 40 water cooled.

3—Beach-Russ No. 10 ROTARY VACUUM PUMPS, with V-belt Drive m. d.

2—Nash No. 2 ROTARY VACUUM PUMPS, with V-belt Drive, m. d.

1—Pneumatic Scale straight line BOTTLE CLEANER

4—150 gal. aluminum TANKS, cone bottom.

1—Stokes No. 21 GRANULATING MIXER, 50 lb. belt driven.

2—Granberg LIQUID METERS.

2—Colton TUBE or JAR FILLERS, 1-No. 0, 1-No. 7.

2—Jones Automatic CARTONERS.

2—Anderson PACKAGING UNITS

2—4-Roll RAYMOND HIGH SIDE MILLS, equipped for vacuum air separation—one with latest "whizzer" separator, with double cone vacuum separator. Each including exhauster, cyclone collector and inter-connecting piping.

2—Komarek-Greaves BRIQUETTE PRESSES, each with 2—32" x 24" face, rolls for pillow and egg-shaped briquettes, each rated 25 tons per hour.

1—Sperry Iron FILTER PRESS, 36" x 56", 38 chambers; 1—Shriver 24" x 24", 40 chambers.

1—World Rotary auto. LABELER

1—Burt straight line auto duplex LABELER, md.

1—C. C. & S. 7-head Jumbo CROWNER.

3—50 gal. copper steam jacketed VACUUM PANS, complete; other sizes to 750 gal.

1—Pneumatic Scale Co. Auto. 6 head CAPPER & CAP FEEDER, M. D.

3—Pfaudler GLASS LINED TANKS, 2-90 gal. open.

3—40 gal. DAY PONY MIXERS.

1—Size "B" Erie City COAL PULVERIZER with 40 P 3/60/220-440 V. Motor. Rated 2000 lbs. per hour.

2—18 x 18" Jeffery Single ROLL CRUSHERS.

11—COPPER & ALUMINUM steam jack. KETTLES —up to 350 gal, some with agitator.

1—U. S. Bottlers C-8, 8 spout gravity LIQUID FILLER

1—450 gal. GLASS LINED jack. agit. KETTLE; 2—150 gal. jack. agit; 2—200 gal. jack.

1—350 gal. NICKEL LINED jack. KETTLE, C. I. shell.

1—5' x 13' PEBBLE or TUBE MILL, with open trunions.

1—Riehle friction grease TESTING MACHINE, cap. 10,000 P. S. I.

1—Filler Machine Co. 8-spout piston FILLER.

2—J. H. DAY auger & F. J. STOKES DRY POWDER FILLERS.

1—WORLD High Speed straight away LABELER, m.d.

4—500 gal. all COPPER, steam jack. agit. KETTLES

1—No. 12 SWEETLAND FILTER with 36 monel leaves, 250 mesh, grooved.

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POSITIONS WANTED

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Man, 28 years' experience in industrial paints, manufacturing, servicing and selling; expert color matching and formulating; would desire South or West Coast, but will go anywhere. Available after February 15. OPD 674.

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2—4 x 6′ Atmospheric Drum Dryers.
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2—Lard Rolls: 4 x 9′ single, 2 x 5′ double.
1—40″ Tolhurst copper basket Centrifugal.
2—(New) Triangle Filling Lines.
2—18″ and 40″ American s.s. Centrifugals.
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1—W. & P. 150-gal. Stainless Steel Lined Mixer.
1—13″ Belt Conveyor, 25′ centers, with motor.
1—No. 5 Sweetland Filter, stainless steel lined with 15 stainless steel leaves.
3—Swenson Walker Continuous, Jacketed Crystallizers, 24″x30′.
1—Day 300-gal. Aluminum Lined Jacketed Mixer.
1—Day No. 10 Imperial Jacketed Mixer, 30 gal.
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1—Jacketed Steel Still 500 gal. with 24″ dia. Steel Column.
4—Jacketed Agitated Steel Kettles, 650, 600 gal.
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1—Colton No. 4 Single Punch Tablet Machine, 1″ tablets.
1—W. & P. 20-gal. Mixer.
5—World, Ermold Labelers.
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1—Filler Machine Co. 6 Spout Filler.
3—Day 12″x32″ Roller Mills.
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2—Oliver Acid Proof Filters, 5′4″x6′, 8′x8′.
3—Shriver 24″, 36″, 42″ Wood Filter Presses.
1—Sperry 18″ Cast Iron Filter Press, 10 chambers.
12—Centrifugals, 32″, 40″, 48″ steel, bronze baskets, top and bottom discharge.
1—Goldman Rotary Bottle Washer, 80 spout.
3—Hersey Rotary Dryers, 5′x30′.
1—Copper Rotary Dryer, 6′x17′.
2—Scott 4′x8′ Vacuum Cookers.
1—Buffalo 24″ x 20″ Vacuum Drum Dryer.
2—Rotary Kilns, 6′x60′.
2—Rotary Dryers, 3′x20′, 4′x35′.

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1—54″x48″ Silex Lined Pebble Mill.
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6—Autoclaves, 200 to 1,500 gals.
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1—Pfaudler 60 gal. Jack. Agit. Glass Lined Kettle.
2—Dopp 50 & 80 gal. Jack. Agit. Kettles.
1—250 gal. Copper Jack. Vac. Still and Receivor.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. Steel Copper Lined Vac. Filter Tank.
1—600 gal. Steel Copper Lined Agit. Tank.
6—20, 35, 75 & 250 gal. Closed, Agitated Jacketed Copper Kettles.
20—50 gal. Vert. Agitated Steel Tanks with Nettco Drives.
3—Single Punch Preform Tablet Machines, ½″ & ¾″.
1—Homogenizer, 10 HP, motor driven.
25—Hydr. Presses, Pumps and Accumulators.
1—75 lb. Powder Mixer, motor driven.
1—Dunning & Boschert 2,000 lb. Double Arm Steel Powder Mixer.
2—Blystone 2,000 lb. Jacketed, Horiz., Paddle Type Steel Mixers.
1—25 gal. Ross Double Arm Heavy Duty Tilting Mixer.
6—Horizontal Mixers, 25 to 150 gals., Single & Double Arm.
1—Faust 150 gal. Jack. Spiral Mixer.
1—Coombs Gyratory Sifter, 1/3 HP.
1—Robinson 20″ M.D. Attrition Mill.
1—Howe Barrel & Bag Packer.
2—4,000 gal. Vert. Acid Proof Tanks.
2—Devine 8″x6″ Horiz. Vac. Pumps.
1—Nash No. 3 Vacuum Pump.
1—No. 3 Oliver 14″x8″ Duplex Vacuum Pump.
1—Penn. Vac. Pump, 14″x5″.
2—DeLaval Separators, Lab. size & No. 302.
2—DeLaval Multiple Clarifiers, Nos. 300 & 600, motor driven.
2—Ross 8 & 15 gal. Pony Mixers.
1—Ross 2 Roll Granite Stone Mill, 8″x12″.
1—5 Roll water cooled 16″x40″ Steel Roller Mill.
2—Ross 3 Roll Water Cooled 12″x30″ & 16″x40″ Steel Roller Mills.
3—Double Stand Steel 4 Roller Mills, 7″x18″, 7½″x20″ & 7½″x30″ Rolls.
10—Pebble & Jar Mills, Lab. to 50 gal.
3—Tolhurst 24″, 26″ & 40″ Centrifugals.
8—Stone Mills, 8″ to 32″.
8—Lead & Paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
10—Steel & Wood Tanks, up to 4,000 gal.
1—Schutz-O'Neil 20″ Pulverizer.
2—Double Roll Crushers.
2—Williams No. 2XX & No. 3 "Regular" type Hammer Mills.
10—Electric Agitators, ¼ to 2 HP.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, 1 to 10 HP.

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1—Bird 48″ Stainless Steel Extractor.
1—Copper Jack. Vac. Pan or Kettle, with agitator, 500 gals.
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2—Buffalo 6′ Jack. Crystalizers.
2—Bartlett & Snow 10′ Jack. Dryers.
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1—Buffalo 24″ x 20″ Vac. Drum Dryer.
1—Devine 48″ x 40″ Vac. Double Drum Dryer.
2—Electric Dryers, 50 cu. ft. each.
1—Two Truck Dryer, 7′ x 6′ x 7′ high.
1—Stokes Rotary B Tablet Mach.
1—Colton No. 3 Rotary Tablet Mach.
1—Sperry Wood P. & F. 42″ Filter Press.
1—Independent 12″ Wd. P. & F. Filter Press.
1—W. & P. 20-gal. Jack. Mixer with 10 H.P. Motor.
1—Day D. A. Mixer, 140-gal. B.D.
3—Copper Jack. Kettles, 250 gals.
1—Pfaudler Jack. G. L. Tank, 500 gals.

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Botanical Drugs

Continued from page 64

service allocation in January-March was 1,480,000 pounds and for other claimants, mainly commercial, 702,000 pounds. The quota for grinders remains at 40 percent of the base period of 1941. The rise in quantities allocated for the first quarter of 1945 is possible because in the base period of 1941, grindings in January-March of that year were larger than in October-December.

Pimento — Reports here indicated quite a scarcity of spot delivery merchandise. Prices were close to being nominal.

Markets at Other Centers

Los Angeles, Jan. 31.—Because almost all stocks are sold out, this market was exceedingly quiet here this week. Very little trading was reported: Prices are:—

Calendula Flowers—Nominal at $2 per pound.

Marjoram—French type named at 45c. per pound in dried form.

Sage—Dalmatian type containing less than 12 percent stems named at 80c. per pound for small lots. Leucophylla named at 55c. for small lots.

Savory—French type, nominal at 90c. per pound in small lots.

Sweet Basil—90c. per pound in dried form.

Thyme—French type nominal at 90c. in dried and clean form.

Recent Imports

—Continued from page 4

GUM, INDUSTRIAL—20 cks, J P Martin Co
KARAYA—60 bgs, A D Isbetcherian
130 bgs, Judson Sheldon Corp
560 bgs, Jacques Wolf & Co
130 bgs, Wm M Allison & Co
OLIBANUM—50 bgs, E Meer & Co
100 bgs, Wm M Allison & Co
TRAGACANTH—1,300 pkgs, Morteza Khosrovachihi
HAIR, CATTLE TAIL—5 bls, Horwick, Vitkin Co
GOAT—306 pkgs, Corn Exchange Bank Trust Co
9 pkgs, National Bank of London
5 pkgs, J Henry Schroeder Banking Corp
6 pkgs, Central Hanover Bank Trust Co
5 pkgs, Swiss Bank
127 pkgs, Tradesman National Bank & Trust Co
10 pkgs
HORSE MANE—2 bls, Eagle Hair Mfg Co
HORSE TAIL—5 bls, First National Bank
7 cs, Manufacturers Trust Co
21 cs, J Henry Schroeder Banking Corp
HENBANE LEAVES—55 pkgs, S B Penick & Co
HONEY—5 bbls, D Steengrafe
5 bbls, National City Bank
5 bbls, A M Golodetz
50 bbls, East Asiatic Co
IRON OXIDE—50 bgs, J Lee Smith & Co
KAMALA—30 pkgs, R J Prentiss & Co
30 pkgs, S B Penick & Co
MANGANESE PASTE—10 cs
MENTHOL—5 cs, McKesson & Robbins
2 cs, Parsons & Whittemore
MICA—164 cs, United States Commercial Co
MYROBALANS—2,666 bgs, Tannin Product Export Co
5,120 bgs, Guaranty Trust Co
OIL, CASTOR—96 dms, Bunge Corp
75 dms, United States Commercial Co
COD—110 cks, Scandinavian Oil Co
100 cks, Bowring & Co
COTTONSEED—1,219 dms, United States Commercial Co
LEMON—130 cs, Geismar & Co
5 cs, W J Bush & Co
OITICICA—515 bbls, Pacific Vegetable Oil Co
1,080 bbls, L N Jackson & Co
290 bbls, W R Grace & Co
120 bbls, A J Schwarz
990 bbls, Murray Oil Product Co
245 bbls, L Jones & Co
145 bbls, T G Cooper & Co
95 bbls, Brazil Oiticica Co
ORANGE—6 cs, Norda Essential Oil & Chemical Co
4 cs, W J Bush & Co
SASSAFRAS—3 dms, Norton & Ellis, Inc
2 dms, Norda Essential Oil & Chemical Co
2 dms, Geo Lueders & Co
SHARK—11 dms, Distillation Product, Inc
OXBILE CONC—4 cs, East Asiatic Co
QUEBRACHO EXTRACT—600 bgs, 72,000 lbs, International Product Corp
419 bgs, 50,280 lbs, Tannin Product Export Co
RHUBARB—30 pkgs, Wessel, Duval & Co
120 pkgs, Kachurin Drug Co
75 pkgs, Brown Agency
125 pkgs, S B Penick & Co
270 pkgs, E Meer & Co
SHELLAC & SEEDLAC—647 tons
SODA NITRATE—7,000 tons, Chilean Nitrate Sales Corp
TAPIOCA FLOUR—250 bgs, 35,000 lbs, Industrial Trust Co
1,500 bgs, 210,000 lbs
VALERIAN ROOT—80 bgs, E Meer & Co
WATTLE BARK—58 bls, Hammond & Carpenter
71 bls, American Dyewood Co
EXTRACT—1,003 bgs, American Cyanamid & Chemical Co
70 bgs, Barkey Importing Co
6 bgs, Guaranty Trust Co
6 bgs, Bank of New York
5 bgs, National Shawmut Bank
WAX, BEES—160 bgs, Will & Baumer Candle Co
37 bgs, E A Bromund Co
44 bgs, Swiss Bank
31 bgs, A Gross
40 bgs, Bank of the Manhattan Co
CARNAUBA—1,000 bgs, S C Johnson & Son
60 bgs, Cornelius Product Co
70 bgs, Lenape Trading Co
60 bgs, Dumont Shipping Co
238 bgs, Innis, Speiden & Co
400 bgs, Bunge North American Grain Co
285 bgs, Smith & Nichols
185 bgs, T G Cooper & Co
330 bgs, Boyle Midway, Inc
203 bgs, Wessel, Duval & Co
625 bgs, W R Grace & Co
1,523 bgs, American Cyanamid & Chemical Co
100 bgs, Wm Diehl Co
70 bgs, Strahl & Pitsch
75 bgs, Baird Rubber & Trading Co
110 bgs, Wm M Allison & Co
CARNAUBA, PWD—100 bgs, S C Johnson & Son
WOOL—6 dms, Innis, Speiden & Co

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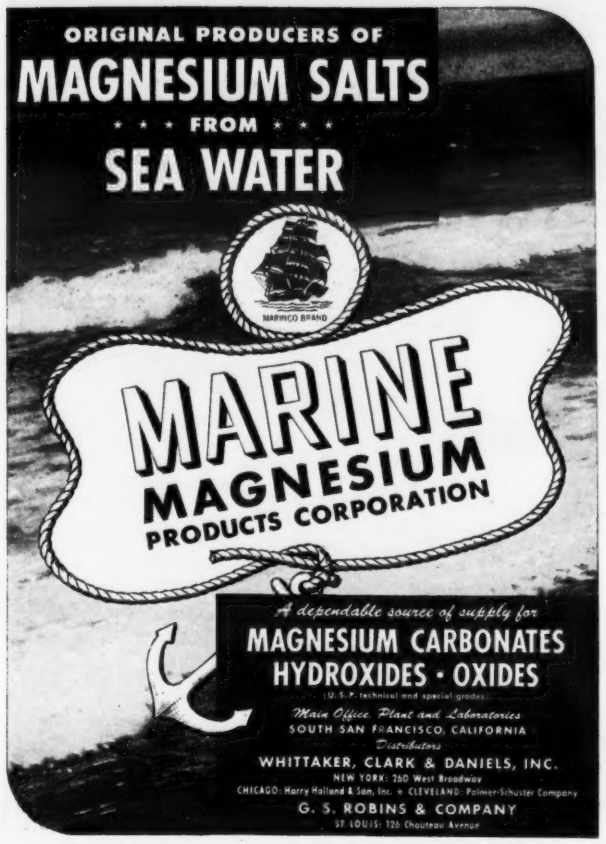

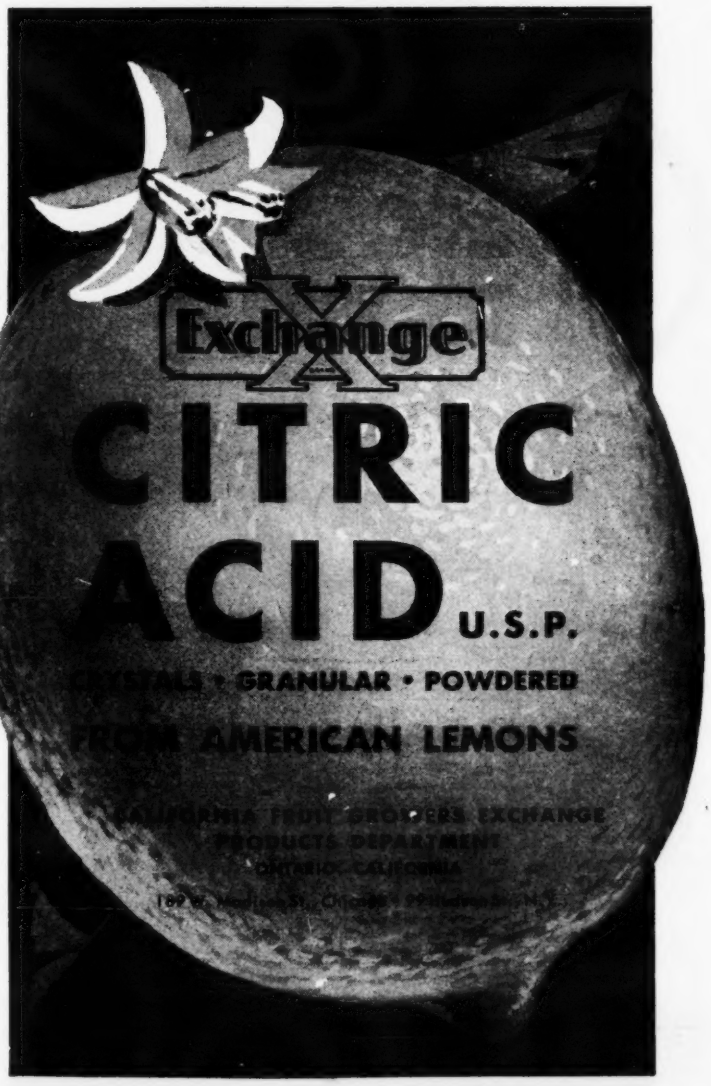

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